





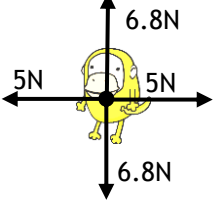
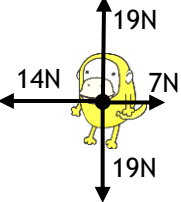
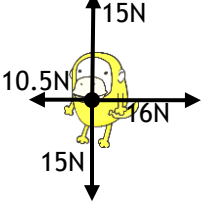
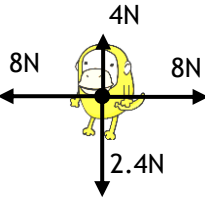
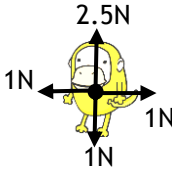
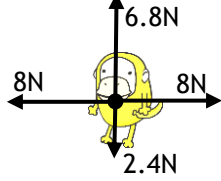
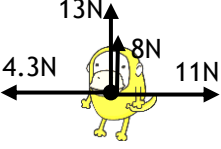
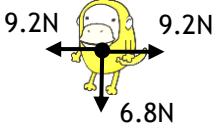
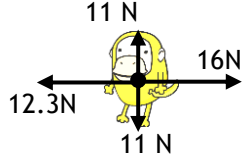
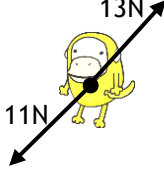
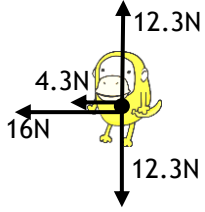
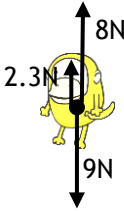


Free Body Diagram Practice


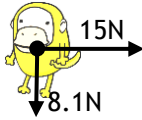

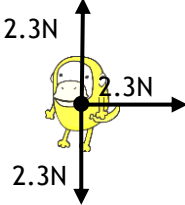
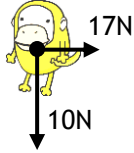
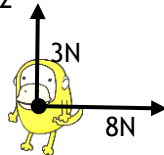
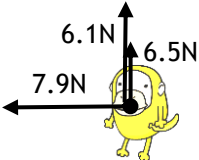
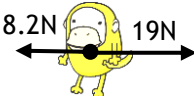

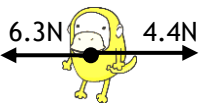
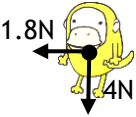

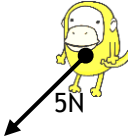
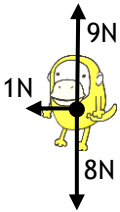
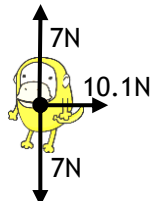
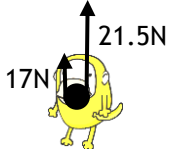
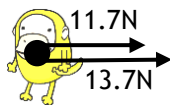
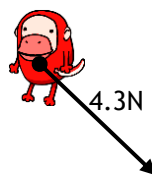
I Hate Yellow Monkeys

Name _____
1 2 3 4 5 6 7 8

For the yellow monkeys below, give the total force. Be sure to give both amount and direction!

	$\Sigma F =$ $m = 2 \text{ kg}$ $a =$		$\Sigma F =$ $m = 3 \text{ kg}$ $a =$		$\Sigma F =$ $m = 5 \text{ kg}$ $a =$
	$\Sigma F =$ $m = 2.3 \text{ kg}$ $a =$		$\Sigma F =$ $m = 1.2 \text{ kg}$ $a =$		$\Sigma F =$ $m = 1.8 \text{ kg}$ $a =$
	$\Sigma F =$ $m = 4 \text{ kg}$ $a =$		$\Sigma F =$ $m = 1 \text{ kg}$ $a =$		$\Sigma F =$ $m = 3 \text{ kg}$ $a =$
	$\Sigma F =$ $m = 10 \text{ kg}$ $a =$		$\Sigma F =$ $m = 8 \text{ kg}$ $a =$		$\Sigma F =$ $m = 6 \text{ kg}$ $a =$
	$\Sigma F =$ $m = 3 \text{ kg}$ $a =$		$\Sigma F =$ $m = 1 \text{ kg}$ $a =$		$\Sigma F =$ $m = 11 \text{ kg}$ $a =$
	$\Sigma F =$ $m = 2 \text{ kg}$ $a =$		$\Sigma F =$ $m = 8 \text{ kg}$ $a =$		$\Sigma F =$ $m = 3.2 \text{ kg}$ $a =$

For the following yellow monkeys, draw in ONE force so that the acceleration matches the given.






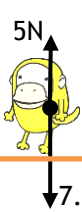
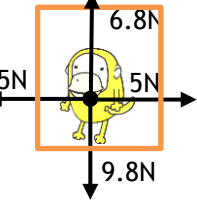
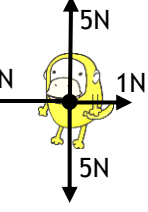
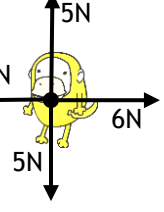
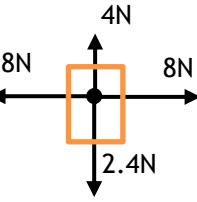
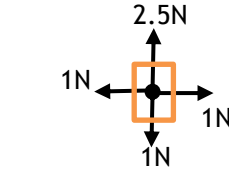
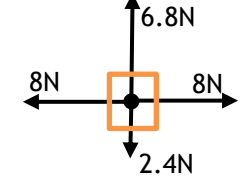
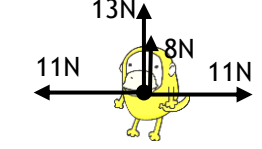
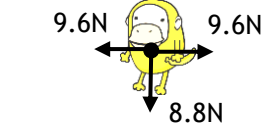
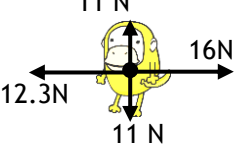
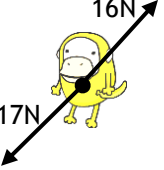
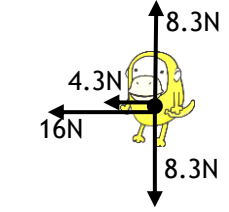

<p>26</p>  <p>$\Sigma F =$ $m = 3 \text{ kg}$ $a = 5 \text{ m/s}^2 \uparrow$</p>	<p>27</p>  <p>$\Sigma F =$ $m = 2 \text{ kg}$ $a = 7.5 \text{ m/s}^2 \uparrow$</p>	<p>28</p>  <p>$\Sigma F =$ $m = 1 \text{ kg}$ $a = 2 \text{ m/s}^2 \downarrow$</p>
<p>30</p>  <p>$\Sigma F =$ $m = 4 \text{ kg}$ $a = 3 \text{ m/s}^2 \leftarrow$</p>	<p>31</p>  <p>$\Sigma F =$ $m = 5 \text{ kg}$ $a = 3.4 \text{ m/s}^2 \rightarrow$</p>	<p>32</p>  <p>$\Sigma F =$ $m = 4 \text{ kg}$ $a = .75 \text{ m/s}^2 \uparrow$</p>
<p>34</p>  <p>$\Sigma F =$ $m = 3 \text{ kg}$ $a = 4.2 \text{ m/s}^2 \uparrow$</p>	<p>35</p>  <p>$\Sigma F =$ $m = 1 \text{ kg}$ $a = 1 \text{ m/s}^2 \rightarrow$</p>	<p>36</p>  <p>$\Sigma F =$ $m = 5 \text{ kg}$ $a = .42 \text{ m/s}^2 \downarrow$</p>
<p>38</p>  <p>$\Sigma F =$ $m = 2 \text{ kg}$ $a = 3.4 \text{ m/s}^2 \leftarrow$</p>	<p>39</p>  <p>$\Sigma F =$ $m = 4 \text{ kg}$ $a = .45 \text{ m/s}^2 \leftarrow$</p>	<p>40</p>  <p>$\Sigma F =$ $m = 4 \text{ kg}$ $a = .825 \text{ m/s}^2 \downarrow$</p>
<p>42</p>  <p>$\Sigma F =$ $m = 1 \text{ kg}$ $a = 5 \text{ m/s}^2 \nearrow$</p>	<p>43</p>  <p>$\Sigma F =$ $m = 5 \text{ kg}$ $a = .2 \text{ m/s}^2 \uparrow$</p>	<p>44</p>  <p>$\Sigma F =$ $m = 6 \text{ kg}$ $a = .5 \text{ m/s}^2 \rightarrow$</p>
<p>46</p>  <p>$\Sigma F =$ $m = 5 \text{ kg}$ $a = .2 \text{ m/s}^2 \uparrow$</p>	<p>47</p>  <p>$\Sigma F =$ $m = 3 \text{ kg}$ $a = 10 \text{ m/s}^2 \rightarrow$</p>	<p>48</p>  <p>$\Sigma F =$ $m = 2 \text{ kg}$ $a = .65 \text{ m/s}^2 \searrow$</p>

Free Body Diagram Practice


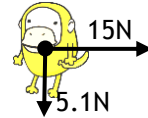

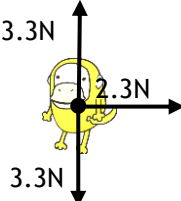
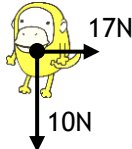
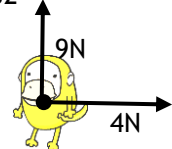
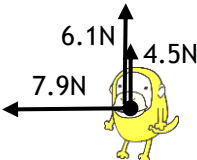
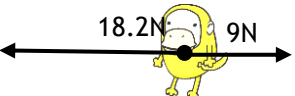

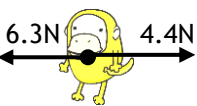
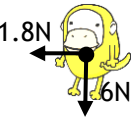

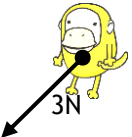
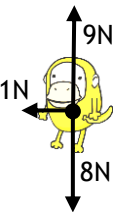
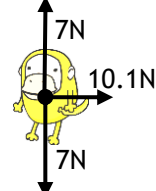
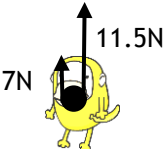
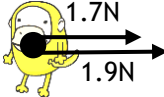

I Hate Yellow Monkeys

Name _____
1 2 3 4 5 6 7 8

For the yellow monkeys below, give the total force. Be sure to give both amount and direction!

	$\Sigma F =$ $m = 3 \text{ kg}$ $a =$		$\Sigma F =$ $m = 2 \text{ kg}$ $a =$		$\Sigma F =$ $m = 2 \text{ kg}$ $a =$
	$\Sigma F =$ $m = 2.3 \text{ kg}$ $a =$		$\Sigma F =$ $m = 1.2 \text{ kg}$ $a =$		$\Sigma F =$ $m = 1.8 \text{ kg}$ $a =$
	$\Sigma F =$ $m = 3 \text{ kg}$ $a =$		$\Sigma F =$ $m = 5 \text{ kg}$ $a =$		$\Sigma F =$ $m = 1 \text{ kg}$ $a =$
<p>elevator</p> 	$\Sigma F =$ $m = 10 \text{ kg}$ $a =$	<p>elevator</p> 	$\Sigma F =$ $m = 8 \text{ kg}$ $a =$	<p>elevator</p> 	$\Sigma F =$ $m = 6 \text{ kg}$ $a =$
	$\Sigma F =$ $m = 3 \text{ kg}$ $a =$		$\Sigma F =$ $m = 1 \text{ kg}$ $a =$		$\Sigma F =$ $m = 6 \text{ kg}$ $a =$
	$\Sigma F =$ $m = 4 \text{ kg}$ $a =$		$\Sigma F =$ $m = 7 \text{ kg}$ $a =$		$\Sigma F =$ $m = 1.2 \text{ kg}$ $a =$

For the following yellow monkeys, draw in ONE force so that the acceleration matches the given.

<p>26</p>  <p>$\Sigma F =$ $m = 3 \text{ kg}$ $a = 2 \text{ m/s}^2 \uparrow$</p>	<p>27</p>  <p>$\Sigma F =$ $m = 2 \text{ kg}$ $a = 7.5 \text{ m/s}^2 \rightarrow$</p>	<p>28</p>  <p>$\Sigma F =$ $m = 1 \text{ kg}$ $a = 2 \text{ m/s}^2 \downarrow$</p>
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<p>34</p>  <p>$\Sigma F =$ $m = 3 \text{ kg}$ $a = 4.2 \text{ m/s}^2 \uparrow$</p>	<p>35</p>  <p>$\Sigma F =$ $m = 1 \text{ kg}$ $a = 1 \text{ m/s}^2 \rightarrow$</p>	<p>36</p>  <p>$\Sigma F =$ $m = 5 \text{ kg}$ $a = .42 \text{ m/s}^2 \downarrow$</p>
<p>38</p>  <p>$\Sigma F =$ $m = 2 \text{ kg}$ $a = 6.4 \text{ m/s}^2 \rightarrow$</p>	<p>39</p>  <p>$\Sigma F =$ $m = 4 \text{ kg}$ $a = .45 \text{ m/s}^2 \leftarrow$</p>	<p>40</p>  <p>$\Sigma F =$ $m = 8 \text{ kg}$ $a = .825 \text{ m/s}^2 \downarrow$</p>
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<p>46</p>  <p>$\Sigma F =$ $m = 5 \text{ kg}$ $a = .2 \text{ m/s}^2 \uparrow$</p>	<p>47</p>  <p>$\Sigma F =$ $m = 3 \text{ kg}$ $a = 10 \text{ m/s}^2 \rightarrow$</p>	<p>48</p>  <p>$\Sigma F =$ $m = 12 \text{ kg}$ $a = .65 \text{ m/s}^2 \searrow$</p>