


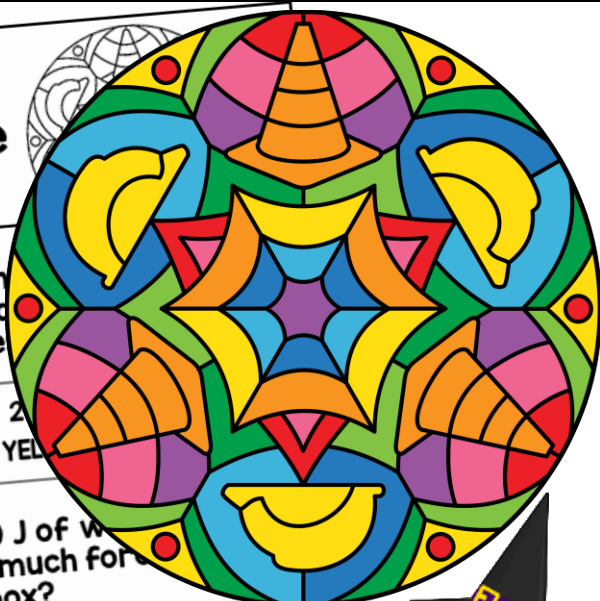
# Calculating Work

Name \_\_\_\_\_ Date \_\_\_\_\_

## Work, Force, & Distance Coloring Page

For each question, there is one correct answer and a color associated with that answer.  
On the coloring page, each **question number** section should be filled in with that color!

1 A crane uses 4500 N of force to lift a girder 20 m. How much work is done by the crane?	6 A boy pushes on a car with a force of 200 N. The car moves 10 m. How much work does he do?
0.004 J RED	225 J GRAY
90,000 J ORANGE	0 J RED
2 Daniel exerts a force of 165 N while pulling an oar 0.8 m. How much work does he do in 30 pulls?	7 If you did 200 J of work to push a box 5 m, how much force did you apply to the box?
206 J PINK	132 J YELLOW
3960 J LIGHT BLUE	1000 N PINK
40 J PURPLE	40 N DARK BLUE
3 If you push a lawn mower with a force of 300 N for 0.5 km, how much work do you do?	8 If you did 225 J of work to pull a wagon with a force of 25 N, how far did you pull it?
150,000 J LIGHT GREEN	150 N YELLOW
150 J DARK BLUE	625 m PINK
0.1 m PINK	9 m YELLOW



# COLOR BY CODE

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- Tammy Morehouse

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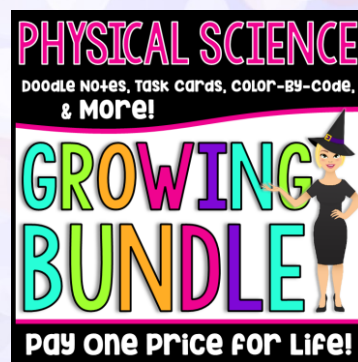
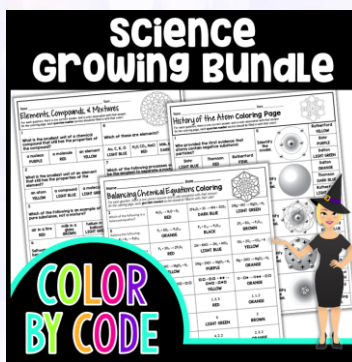




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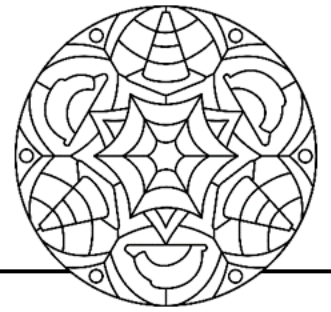
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Name \_\_\_\_\_ Date \_\_\_\_\_

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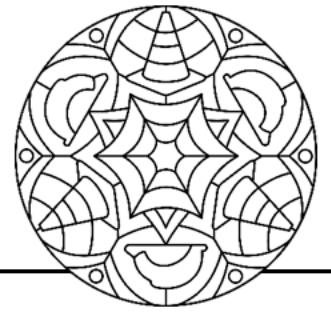


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<b>1</b> A crane uses 4500 N of force to lift a girder 20 m. How much work is done by the crane?			<b>6</b> A boy pushes on a parked car with 200 N. The car does not move. How much work does the boy do?		
0.004 J RED	225 J GRAY	90,000 J ORANGE	0 J RED	200 N YELLOW	200 J PURPLE
<b>2</b> Daniel exerts a force of 165 N while pulling an oar 0.8 m. How much work does he do in 30 pulls?			<b>7</b> If you did 200 J of work pushing a box 5 m, how much force did you apply to the box?		
206 J PINK	132 J YELLOW	3960 J LIGHT BLUE	1000 N PINK	40 J PURPLE	40 N DARK BLUE
<b>3</b> You and a friend apply a force of 425 N to push a piano up a 2.0 m ramp. How much work is done?			<b>8</b> If you push a lawn mower with a force of 300 N for 0.5 km, how much work do you do?		
850 N LIGHT GREEN	850 J RED	213 J DARK BLUE	150,000 J LIGHT GREEN	150 N YELLOW	150 J DARK BLUE
<b>4</b> If you perform 40 J of work lifting a 10 N box to a shelf, how high is the shelf?			<b>9</b> If you did 225 J of work to pull a wagon with a force of 25 N, how far did you pull it?		
4 m PURPLE	20 m DARK GREEN	400 m ORANGE	5625 m LIGHT BLUE	0.1 m PINK	9 m YELLOW
<b>5</b> For work to be done on an object, the object has to			<b>10</b> A total of 1800 J of work was done lifting 30 N boxes a distance of 3 m. How many boxes were lifted?		
rest BLACK	move DARK GREEN	be light LIGHT BLUE	20 boxes PINK	60 boxes LIGHT GREEN	90 boxes ORANGE

Name \_\_\_\_\_ Date \_\_\_\_\_

Teacher Key



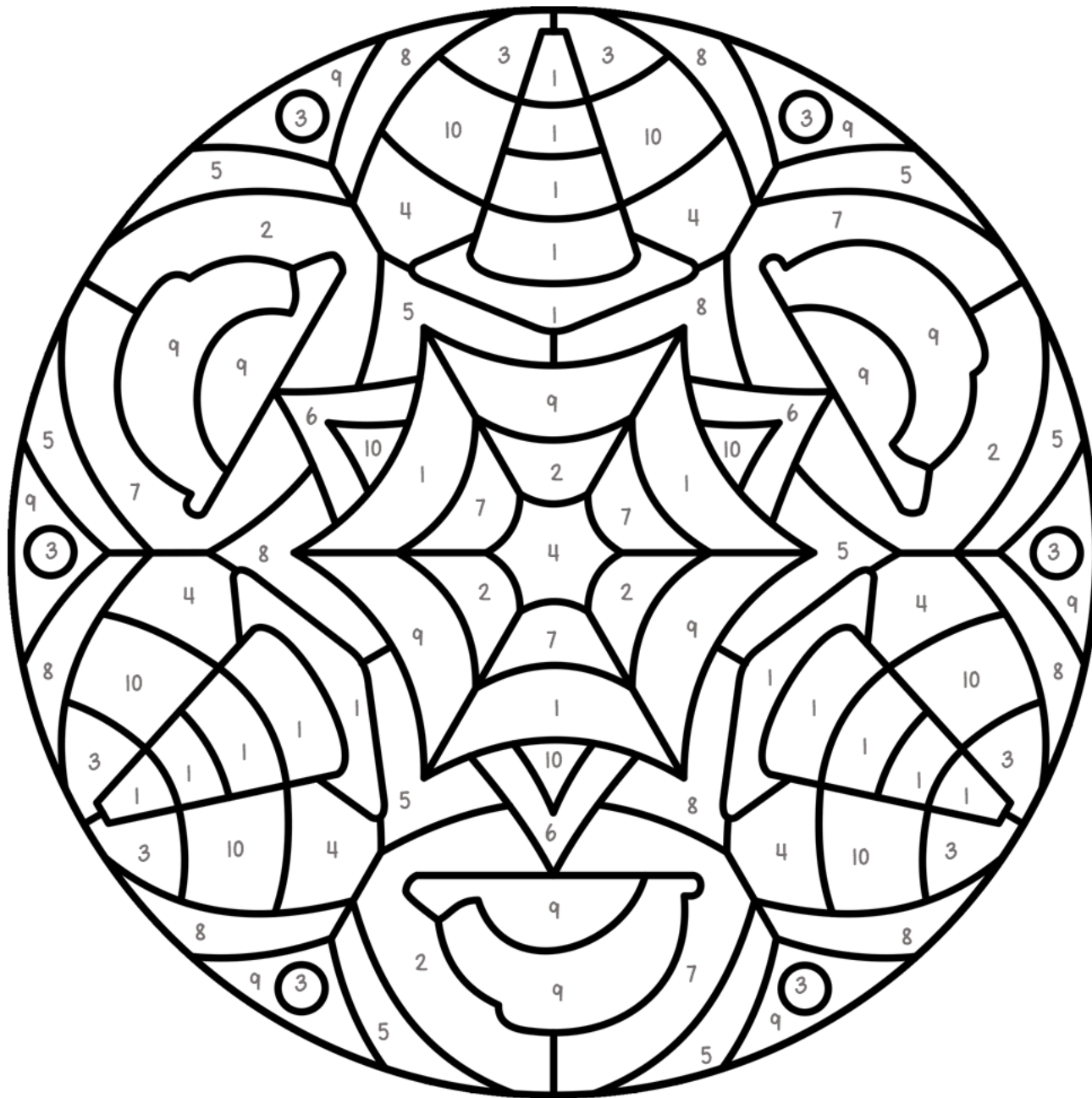
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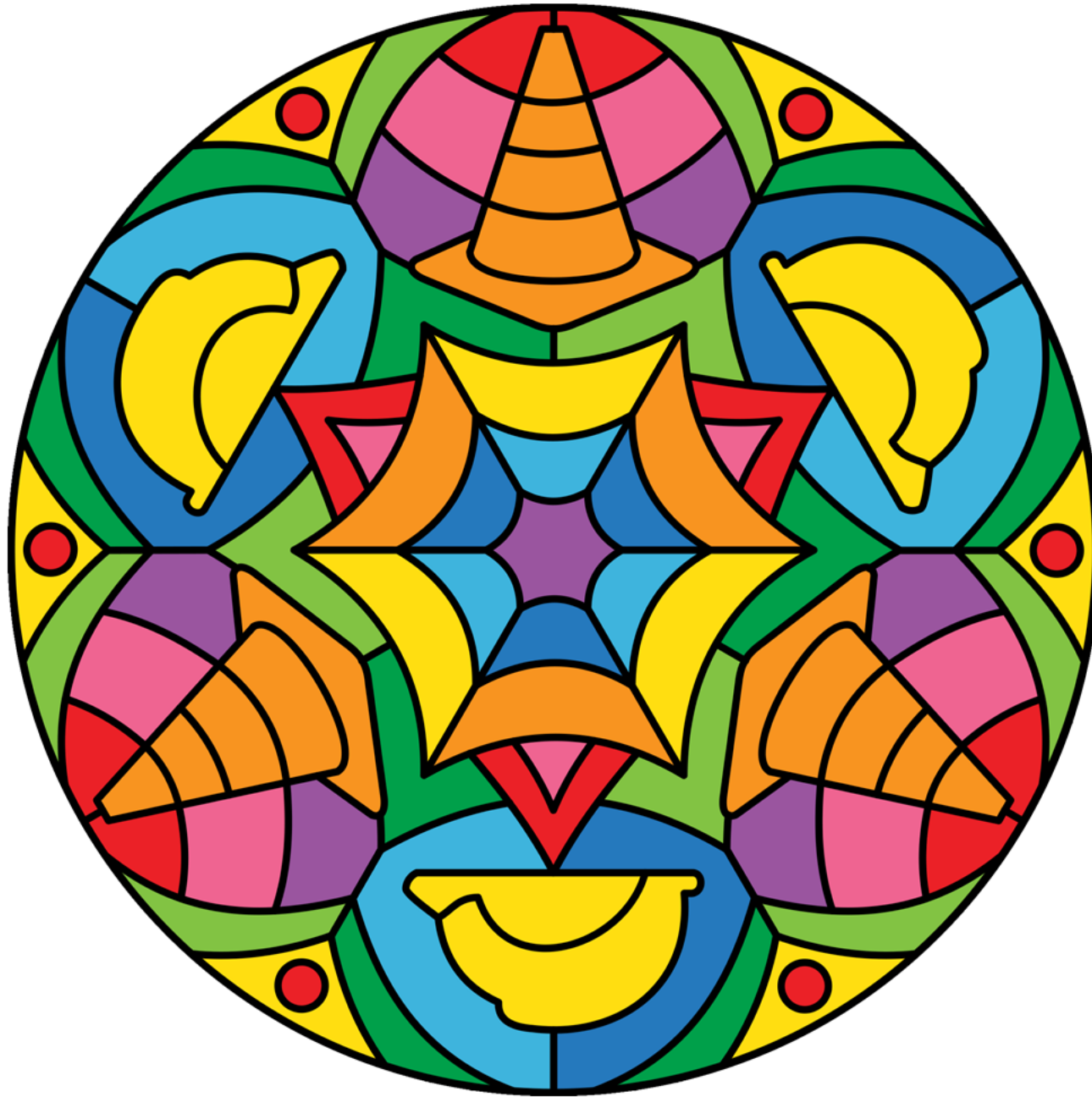




Color each numbered section (corresponds with the question number) with the color of the correct answer.

Any sections that are not numbered, you may color with your choice!





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