





## To use known multiplication facts to solve related calculations - Questions

1. Complete two related multiplications:  
 One where each dot on the dice represents 1.  
 One related calculation where each dot represents 10.

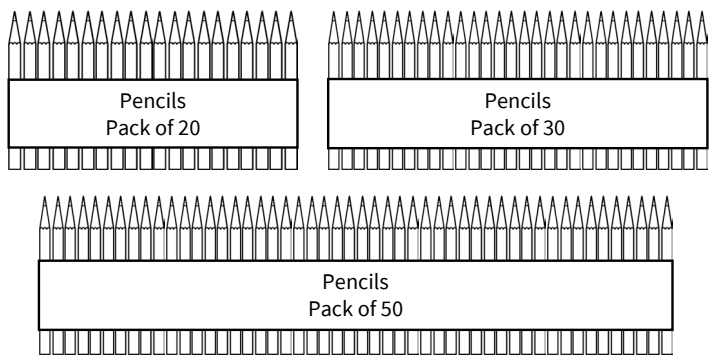
a. 

b. 

c. 

d. 

2. Complete fact families for the following calculations
- |                    |                    |
|--------------------|--------------------|
| a. $4 \times 40 =$ | b. $30 \times 5 =$ |
| c. $140 \div 2 =$  | d. $400 \div 8 =$  |
| e. $6 \times 80 =$ | f. $480 \div 12 =$ |

3. 

What size packs could each teacher buy and how many of each pack will they need?  
 Find all possible options.

- a. Teacher A needs 150 pencils
- b. Teacher B needs 180 pencils
- c. Teacher C needs 300 pencils
- d. Teacher D needs 240 pencils

## To use known multiplication facts to solve related calculations - Answers

Question No.	Question	Answer
<b>1</b>	<p>Complete two related multiplications:            One where each dot on the dice represents 1            One related calculation where each dot represents 10</p> <p>a. 4 dice with 2 dots            b. 8 dice with 5 dots            c. 6 dice with 3 dots            d. 5 dice with 6 dots</p>	<p>a. <math>4 \times 2 = 8</math>    <math>4 \times 20 = 80</math>            b. <math>8 \times 5 = 40</math>    <math>8 \times 50 = 400</math>            c. <math>6 \times 3 = 18</math>    <math>6 \times 30 = 180</math>            d. <math>5 \times 6 = 30</math>    <math>5 \times 60 = 300</math></p>
<b>2</b>	<p>a. <math>4 \times 40 =</math>            b. <math>30 \times 5 =</math>            c. <math>140 \div 2 =</math>            d. <math>400 \div 8 =</math>            e. <math>6 \times 80 =</math>            f. <math>480 \div 12 =</math></p>	<p>a. <math>4 \times 40 = 160</math>                      <math>40 \times 4 = 160</math>                 <math>160 \div 4 = 40</math>                      <math>160 \div 40 = 4</math>            b. <math>30 \times 5 = 150</math>                      <math>5 \times 30 = 150</math>                 <math>150 \div 5 = 30</math>                      <math>150 \div 30 = 5</math>            c. <math>140 \div 2 = 70</math>                      <math>140 \div 70 = 2</math>                 <math>2 \times 70 = 140</math>                      <math>70 \times 2 = 140</math>            d. <math>400 \div 8 = 50</math>                      <math>400 \div 50 = 8</math>                 <math>8 \times 50 = 400</math>                      <math>50 \times 8 = 400</math>            e. <math>6 \times 80 = 480</math>                      <math>80 \times 6 = 480</math>                 <math>480 \div 6 = 80</math>                      <math>480 \div 80 = 6</math>            f. <math>480 \div 12 = 40</math>                      <math>480 \div 40 = 12</math>                 <math>12 \times 40 = 480</math>                      <math>40 \times 12 = 480</math></p>
<b>3</b>	<p>What size packs could each teacher buy and how many of each pack will they need? Find all possible options.</p> <p>a. Teacher A needs 150 pencils            b. Teacher B needs 180 pencils            c. Teacher C needs 300 pencils            d. Teacher D needs 240 pencils</p>	<p>a. 5 packs of 30, or 3 packs of 50            b. 9 packs of 20, or 6 packs of 30            c. 15 packs of 20, or 10 packs of 30, or 6 packs of 50            d. 12 packs of 20, or 8 packs of 30</p>