

Name

Date



MULTIPLICATION PROBLEMS 4.2A

Have a go at solving these multiplication problems.

Can you spot the 'trick' problem which is not a multiplication problem?

1) A scale model of a Boeing 747 is 7m long. The real plane is 10 times longer. How long is the actual plane?



2) A box of eggs holds 6 eggs. If I had 20 full boxes, how many eggs would I have?

3) A pack of 8 pens costs me £10. I buy 12 packs. How many pens have I bought?



4) A box of chocolates contains 30 chocolates. How many chocolates in 4 boxes?

5) How many days in 20 weeks?



6) A paperclip is made from 10cm of wire. How many paperclips could be made from 70cm of wire?



7) A ream contains 500 sheets of paper. How many sheets in 2 reams?

8) How many seconds in 3 minutes?



Did you spot the
trick problem?



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MULTIPLICATION PROBLEMS 4.2A ANSWERS

1) A scale model of a Boeing 747 is 7m long. The real plane is 10 times longer. How long is the actual plane?

$7\text{m} \times 10 = 70\text{m long}$

2) A box of eggs holds 6 eggs. If I had 20 full boxes, how many eggs would I have?

$6 \times 20 = 120 \text{ eggs}$

3) A pack of 8 pens costs me £10. I buy 12 packs. How many pens have I bought?

$8 \times 12 = 96 \text{ pens}$

4) A box of chocolates contains 30 chocolates. How many chocolates in 4 boxes?

$30 \times 4 = 120 \text{ chocolates}$

5) How many days in 20 weeks?

$20 \times 7 = 140 \text{ days}$

6) A paperclip is made from 10cm of wire. How many paperclips could be made from 70cm of wire?

$70 \div 10 = 7 \text{ paper clips}$

*** Trick question - this was a division question ***

7) A ream contains 500 sheets of paper. How many sheets in 2 reams?

$500 \times 2 = 1000 \text{ sheets}$

8) How many seconds in 3 minutes?

$60 \times 3 = 180 \text{ seconds}$



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MULTIPLICATION PROBLEMS 4.2B

Have a go at solving these multiplication problems.

Can you spot the 'trick' problem which is not a multiplication problem?

1) A scale model of a Boeing 747 is 5 foot long. The real plane is fifty times longer. How long is the actual plane?



2) A box of eggs holds 6 eggs. If I had 40 full boxes, how many eggs would I have?

3) A pack of 8 pens costs me £12. I buy 20 packs. How many pens have I bought?



4) A box of chocolates contains 30 chocolates. How many chocolates in 9 boxes?

5) How many days in 40 weeks?



6) A paperclip is made from 10cm of wire. How many paperclips could be made from 2m of wire?



7) A ream contains 500 sheets of paper. How many sheets in 3 reams?

8) How many seconds in 6 minutes?



Did you spot the
trick problem?



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MULTIPLICATION PROBLEMS 4.2B ANSWERS

1) A scale model of a Boeing 747 is 5 foot long. The real plane is fifty times longer. How long is the actual plane?

$5 \times 50 = 250$ feet

2) A box of eggs holds 6 eggs. If I had 40 full boxes, how many eggs would I have?

$6 \times 40 = 240$ eggs

3) A pack of 8 pens costs me £12. I buy 20 packs. How many pens have I bought?

$8 \times 20 = 160$ pens

4) A box of chocolates contains 30 chocolates. How many chocolates in 9 boxes?

$30 \times 9 = 270$ chocolates

5) How many days in 40 weeks?

$40 \times 7 = 280$ days

6) A paperclip is made from 10cm of wire. How many paperclips could be made from 2m of wire?

$200 \div 10 = 20$ paperclips

*** Trick questions - this was really a division problem ***

7) A ream contains 500 sheets of paper. How many sheets in 3 reams?

$500 \times 3 = 1500$ sheets

8) How many seconds in 6 minutes?

$6 \times 60 = 360$ seconds

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MULTIPLICATION PROBLEMS 4.2C

Have a go at solving these multiplication problems.

Can you spot the 'trick' problem which is not a multiplication problem?

1) A scale model of a Boeing 747 is 7.1m long. The real plane is 10 times longer. How long is the actual plane?



2) A box of eggs holds 6 eggs. If I had 68 full boxes, how many eggs would I have?

3) A pack of 8 pens costs me £17. The school buy 74 packs. How many pens have I bought?



4) A box of chocolates contains 36 chocolates. How many chocolates in 11 boxes?

5) How many days in 46 weeks?



6) A paperclip is made from 10cm of wire. How many paperclips could be made from 2.8m of wire?



7) A ream contains 500 sheets of paper. How many sheets in 12 reams?

8) How many seconds in 12 ½ minutes?



Did you spot the
trick problem?



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MULTIPLICATION PROBLEMS 4.2C ANSWERS

1) A scale model of a Boeing 747 is 7.1m long. The real plane is 10 times longer. How long is the actual plane?

$$\underline{7.1 \times 10 = 71\text{m long}}$$

2) A box of eggs holds 6 eggs. If I had 68 full boxes, how many eggs would I have?

$$\underline{6 \times 68 = 408 \text{ eggs}}$$

3) A pack of 8 pens costs me £17. The school buy 74 packs. How many pens have I bought?

$$\underline{8 \times 74 = 592 \text{ pens}}$$

4) A box of chocolates contains 36 chocolates. How many chocolates in 11 boxes?

$$\underline{36 \times 11 = 396}$$

5) How many days in 46 weeks?

$$\underline{7 \times 46 = 322 \text{ days}}$$

6) A paperclip is made from 10cm of wire. How many paperclips could be made from 2.8m of wire?

$$\underline{280 \div 10 = 28 \text{ paperclips}}$$

*** Trick question - this was a division question ***

7) A ream contains 500 sheets of paper. How many sheets in 12 reams?

$$\underline{500 \times 12 = 6000 \text{ sheets}}$$

8) How many seconds in 12 ½ minutes?

$$\underline{12 \frac{1}{2} \times 60 = 750 \text{ seconds}}$$

