



MULTIPLICATION PROBLEMS 5.3A

Have a go at solving these multiplication problems.

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

1) A camera is able to take photos at a rate of 8 frames per second. How many frames could the camera take in half a minute?

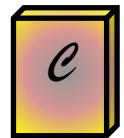


2) Flame sells raffle tickets for £2 each. How many tickets does she need to sell to make £70?



3) There is 180 calories in a chocolate bar. How many calories in a pack of 3 bars?

4) There is 8mg of iron in a cup of Captain's cereal. There are 6 cups in a packet. How much iron is in a packet?



5) There are about 28 grams in an ounce. The weight of a baseball is about 5 ounces. How many grams?



6) Newton runs $1\frac{1}{2}$ miles a day. How far will he have run in 12 days?

7) Captain Salamander earns £3 a day through his website. How much money will he make in July?



8) There is 4.5g of fat in a peanut butter cup. A packet contains 3 cups. Tyger eats one packet. How many grams of fat has he eaten?

Did you spot the
trick problem?





MULTIPLICATION PROBLEMS 5.3A ANSWERS

1) A camera is able to take photos at a rate of 8 frames per second. How many frames could the camera take in half a minute?

$8 \times 30 = 240$ frames

2) Flame sells raffle tickets for £2 each. How many tickets does she need to sell to make £70?

$70 \div 2 = 35$ tickets

3) There is 180 calories in a chocolate bar. How many calories in a pack of 3 bars?

$180 \times 3 = 540$ calories

4) There is 8mg of iron in a cup of Captain's cereal. There are 6 cups in a packet. How much iron is in a packet?

$8\text{mg} \times 6 = 48\text{mg}$ of iron

5) There are about 28 grams in an ounce. The weight of a baseball is about 5 ounces. How many grams?

$5 \times 28 = 140$ grams

6) Newton runs $1 \frac{1}{2}$ miles a day. How far will he have run in 12 days?

$1 \frac{1}{2} \times 12 = 18$ miles

7) Captain Salamander earns £3 a day through his website. How much money will he make in July?

$£3 \times 31 = £93$ in July

8) There is 4g of fat in a peanut butter cup. A packet contains 3 cups. Tyger eats two packets. How many grams of fat has he eaten?

$4.5 \times 2 = 9$ grams

Name

Date



MULTIPLICATION PROBLEMS 5.3B

Have a go at solving these multiplication problems.

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

1) A camera is able to take photos at a rate of 2.4 frames per second. How many frames could the camera take in half a minute?

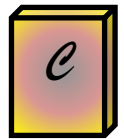


2) Flame sells raffle tickets for £2.50 each. How many tickets does she need to sell to make £70?



3) There is 181 calories in a chocolate bar. How many calories in a pack of 12 bars?

4) There is 8.6mg of iron in a cup of Captain's cereal. There are 6 cups in a packet. How much iron is in a packet?



5) There are about 28 grams in an ounce. The weight of a baseball is about 5 ounces. How many grams?



6) Newton runs 0.8 miles a day. How far will he have run in 12 weeks?

7) Captain Salamander earns £1.20 a day through his website. How much money will he make in July?



8) There is 5.19g of fat in a peanut butter cup. A packet contains 3 cups. Tyger eats one packet. How many grams of fat has he eaten?

Did you spot the
trick problem?



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MULTIPLICATION PROBLEMS 5.3B ANSWERS

1) A camera is able to take photos at a rate of 2.4 frames per second. How many frames could the camera take in half a minute?

$2.4 \times 30 = 72$ frames

2) Flame sells raffle tickets for £2.50 each. How many tickets does she need to sell to make £70?

$70 \div 2.5 = 28$ tickets

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

3) There is 181 calories in a Snickers bar. How many calories in a pack of 12 bars?

$181 \times 12 = 2172$ calories

4) There is 8.6mg of iron in a cup of Captain's cereal. There are 6 cups in a packet. How much iron is in a packet?

$8.6 \times 6 = 51.6$ mg of iron

5) There are about 28 grams in an ounce. The weight of a baseball is about 5 ounces. How many grams?

About $5 \times 28 = 140$ g

6) Newton runs 0.8 miles a day. How far will he have run in 12 weeks?

$0.8 \times 12 \times 7 = 67.2$ miles

7) Captain Salamander earns £1.20 a day through his website. How much money will he make in July?

$£1.20 \times 31 = £37.20$

8) There is 5.19g of fat in a peanut butter cup. A packet contains 3 cups. Tyger eats one packet. How many grams of fat has he eaten?

$5.19 \times 3 = 15.57$ g



Name

Date



MULTIPLICATION PROBLEMS 5.3C

Have a go at solving these multiplication problems.

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

1) A camera is able to take photos at a rate of 12.4 frames per second. How many frames could the camera take in half a minute?

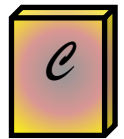


2) Flame sells raffle tickets for £3.75 each. How many tickets does she need to sell to make £75?



3) There is 286 calories in a chocolate bar. How many calories in a pack of 12 bars?

4) There is 8.12mg of iron in a cup of Captain's cereal. There are 9 cups in a packet. How much iron is in a packet?



5) There are about 28 grams in an ounce. The weight of a baseball is about 5.2 ounces. How many grams?



6) Newton runs 1.4 miles a day. How far will he have run in 12 weeks?

7) Captain Salamander earns an average of £1.45 a day through his website. How much money will he make in July?



8) There is 5.19g of fat in a peanut butter cup. A packet contains 3 cups. Tyger eats two packets. How many grams of fat has he eaten?

Did you spot the
trick problem?



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MULTIPLICATION PROBLEMS 5.3C ANSWERS

1) A camera is able to take photos at a rate of 12.4 frames per second. How many frames could the camera take in half a minute?

$12.4 \times 30 = 372$ frames

2) Flame sells raffle tickets for £3.75 each. How many tickets does she need to sell to make £75?

$75 \div 3.75 = 20$ tickets

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

3) There is 286 calories in a chocolate bar. How many calories in a pack of 12 bars?

$286 \times 12 = 3432$ calories

4) There is 8.12mg of iron in a cup of Captain's cereal. There are 9 cups in a packet. How much iron is in a packet?

$8.12 \times 9 = 73.08$ mg

5) There are about 28 grams in an ounce. The weight of a baseball is about 5.2 ounces. How many grams?

About $5.2 \times 28 = 145.6$ g

6) Newton runs 1.4 miles a day. How far will he have run in 12 weeks?

$1.4 \times 12 = 16.8$ miles

7) Captain Salamander earns an average of £1.45 a day through his website. How much money will he make in July?

$£1.45 \times 31 = £44.95$

8) There is 5.19g of fat in a peanut butter cup. A packet contains 3 cups. Tyger eats two packets. How many grams of fat has he eaten?

$5.19 \times 6 = 31.14$ g