

# Pirate Maths Challenge Cards

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## Pirate Maths Challenge Cards

1. A pirate ship sets sail at 15:23. It sails for one hundred and thirty-five minutes before dropping anchor on a treasure island.

What time does the pirate ship reach the treasure island?



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2. There are 207 pirates on a pirate ship.  $\frac{5}{9}$  of the pirates have an eyepatch.

How many pirates do not have an eyepatch on?

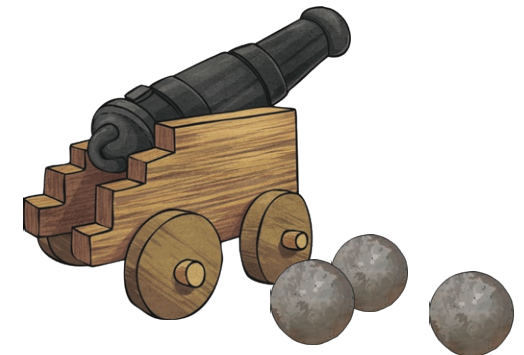


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3. There are 37 pirate ships involved in a battle. Each ship shoots 49 cannonballs.

How many cannonballs are shot altogether?



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4. In a pirate's treasure chest, there are 336 coins.

$\frac{4}{7}$  of these coins are gold.

How many gold coins are in the treasure chest?



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5. A pirate is reading a treasure map. To find the treasure, he must walk 5839 steps north, 6725 steps east and 12 979 steps south-west.

How many steps does he take altogether to find the treasure?



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6. Out of the 168 pirates on a ship, 120 own a parrot.

What fraction of the pirates own a parrot?

Give your answer in its simplest form.

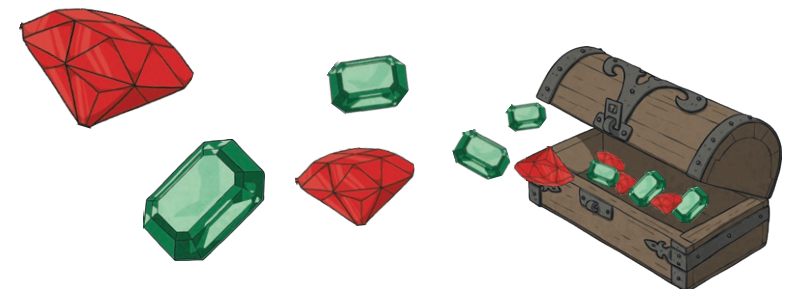


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7. In a pirate's treasure chest, there are 10 204 gems. 3195 of these gems are rubies and 4297 are emeralds. The rest are sapphires.

How many of the gems in the treasure chest are sapphires?



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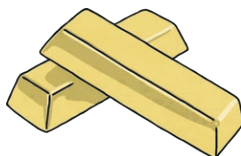
8. A group of pirates have found some gold bars. The captain takes  $\frac{2}{5}$  of the gold bars.

Then, the quartermaster takes  $\frac{1}{2}$  of the remaining gold bars.

Next, the boatswain takes  $\frac{2}{3}$  of the leftover gold bars.

The remaining 5 gold bars are buried.

How many gold bars did they find in total?



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9. A pirate ship's triangular flag is 86cm by 94cm.

What is the area of the flag?



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10. The pirate captain is counting his gold coins. He has between 340 to 370 gold coins.

When counted in sevens, there are five left over.

When counted in nines, there are four left over.

How many gold coins are there?



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11. A pirate captain is comparing the value of his treasure hoard over two months.

In the first month, the value of the treasure was £1400.

In the second month, the value was 35% more.

What was the value of the treasure in the second month?



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# Pirate Maths

## Challenge Cards Answers

1. A pirate ship sets sail at 15:23 and sails for one hundred and thirty-five minutes before dropping anchor on a treasure island. What time does the pirate ship reach the treasure island?  
**17:38 or 5:38 p.m.**
2. There are 207 pirates on a pirate ship.  $\frac{5}{9}$  of the pirates have an eyepatch. How many pirates do not have an eyepatch on?  
**92 pirates**
3. There are 37 pirate ships involved in a battle. Each ship shoots 49 cannonballs. How many cannonballs are shot altogether?  
**1813 cannon balls**
4. In a pirate's treasure chest, there are 336 coins.  $\frac{4}{7}$  of these coins are gold. How many gold coins are in the treasure chest?  
**192 gold coins**
5. A pirate is reading a treasure map. To find the treasure, he must walk 5839 steps north, 6725 steps east and 12 979 steps south-west. How many steps does he take altogether to find the treasure?  
**25 543 steps**
6. Out of the 168 pirates on a ship, 120 own a parrot. What fraction of the pirates own a parrot? Give your answer in its simplest form.  
 **$\frac{5}{7}$**
7. In a pirate's treasure chest, there are 10 204 gems. 3195 of these gems are rubies and 4297 are emeralds. The rest of the gems are sapphires. How many of the gems in the treasure chest are sapphires?  
**2712 sapphires**
8. A group of pirates have found some gold bars. The captain takes  $\frac{2}{5}$  of the gold bars. Then, the quartermaster takes  $\frac{1}{2}$  of the remaining gold bars. Next, the boatswain takes  $\frac{2}{3}$  of the leftover gold bars. The remaining 5 gold bars are buried. How many gold bars did they find in total?  
**50 gold bars**

## Pirate Maths Challenge Cards Answers

9. A pirate ship's triangular flag is 86cm by 94cm. What is the perimeter of the flag?  
**4042cm<sup>2</sup>**
10. The pirate captain is counting his gold coins. He has between 340 to 370 gold coins. When counted in sevens, there are five left over. When counted in nines, there are four left over. How many gold coins are there?  
**355 gold coins**
11. A pirate captain is comparing the value of his treasure hoard over two months. In the first month, the value of the treasure was £1400. In the second month, the value was 35% more. What was the value of the treasure in the second month?  
**£1890**