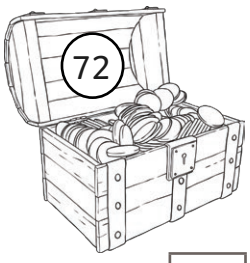
Ahoy Me Hearties!

I can recall and use facts from the 8× table.

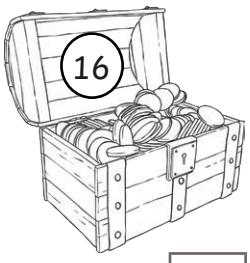
These 8 pirates are trying to work out their share of the treasure and they need your help.

Use counters, cubes or coins to find out how many gold coins each pirate should get. Fill in the number sentence to go with your calculation.

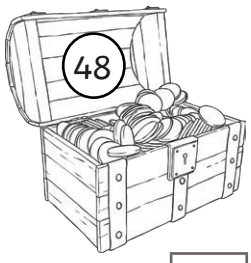
8 ÷ 8 = **1**



72 ÷ 8 = ☐

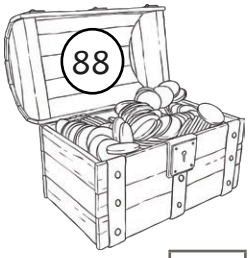


16 ÷ 8 = ☐

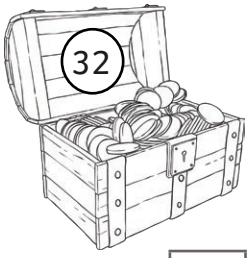


48 ÷ 8 = ☐

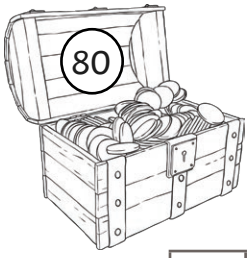
96 ÷ 8 = ☐



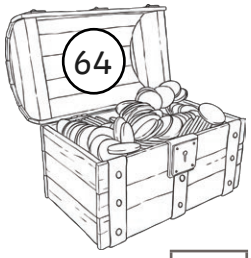
88 ÷ 8 = ☐



32 ÷ 8 = ☐

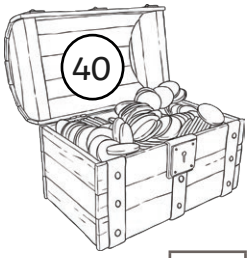


80 ÷ 8 = ☐

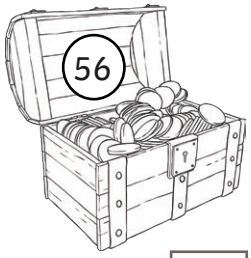


64 ÷ 8 = ☐

24 ÷ 8 = ☐



40 ÷ 8 = ☐

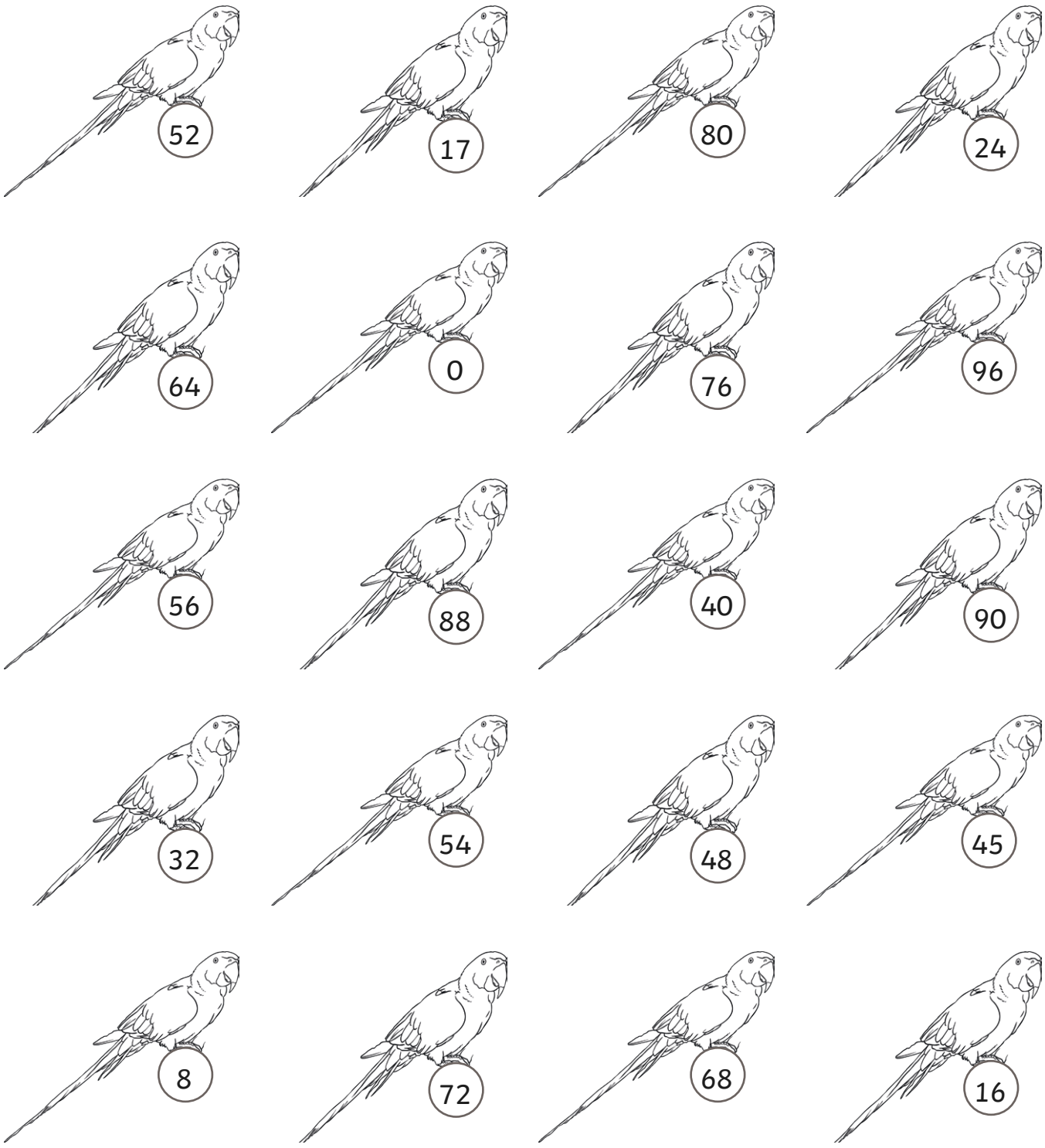


56 ÷ 8 = ☐

Ahoy Me Hearties!

I can recall and use facts from the 8× table.

1. Circle the parrots that show multiples of 8.



Ahoy Me Hearties!

2. Fill in the missing numbers to show that you know your pirate number facts.

a. 8 × 8 = ☐

b. 72 ÷ ☐ = 9

c. 8 × 2 = ☐

d. Eight times one equals ☐

e. 7 × 8 = ☐

f. The product of eight and eleven is ☐

g. 32 ÷ ☐ = 8

h. 8 × ☐ = 24

i. 56 ÷ ☐ = 8

j. Twelve groups of eight equal ☐ altogether.

k. Ten multiplied by eight equals ☐

l. 5 × 8 = ☐

m. 48 ÷ 8 = ☐

n. 8 × 6 = ☐

o. 0 × 8 = ☐

p. Five times ☐ equals forty

q. Eight squared equals ☐

r. Sixteen divided by two equals ☐

s. 9 × 8 = ☐

t. 24 ÷ 8 = ☐

3. Pirates hang out in teams of 8. Last week there were 96 pirates on Treasure Island. How many teams were searching for the treasure?

4. The pirate crew from the Jolly Parrot Pirate Ship are running out of food. They only have 64 ship's biscuits left until they find land. How many biscuits are there for each of the eight pirates?

5. If they can survive on one biscuit each per day how many days can they last before they need to find more food?

6. Choose 3 of the number facts from the table above and write your own pirate problem to go with each fact.

Pieces of Eight!

I can recall and use facts from the 8× table.

Fill in the missing numbers to show that you know your pirate number facts.

a. 8 × 8 = ☐

b. 72 ÷ ☐ = 9

c. 8 × 2 = ☐

d. Eight times one equals ☐

e. 7 × 8 = ☐

f. The product of eight and eleven is ☐

g. 32 ÷ ☐ = 8

h. 8 × ☐ = 24

i. 56 ÷ ☐ = 8

j. Twelve groups of eight equal ☐ altogether.

k. Ten multiplied by eight equals ☐

l. 5 × 8 = ☐

m. 48 ÷ 8 = ☐

n. 8 × 6 = ☐

o. 0 × 8 = ☐

p. Five times ☐ equals forty

q. Eight squared equals ☐

r. Sixteen divided by two equals ☐

s. 9 × 8 = ☐

t. 24 ÷ 8 = ☐

Investigating Patterns in the Multiples of Eight

0	×	8	=	0
1	×	8	=	8
2	×	8	=	16
3	×	8	=	24

Write out your 8× table like the example shown on the left.

Keep going until you get to 12 × 8 = 96

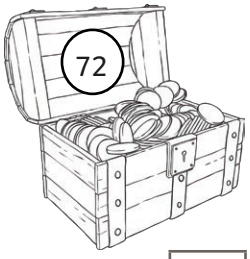
1. Can you see any patterns in the **ones** digits of the multiples of 8? Explain the pattern you found.
2. Can you see any patterns in the **tens** digits of the multiples of 8? Explain the pattern you found.
3. If you continue the 8 times table up to 20 × 8 does the pattern continue?

Ahoy Me Hearties **Answers**

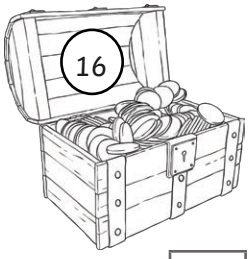
These 8 pirates are trying to work out their share of the treasure and they need your help.

Use counters, cubes or coins to find out how many gold coins each pirate should get. Fill in the number sentence to go with your calculation.

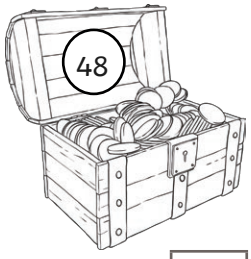
8 ÷ 8 = **1**



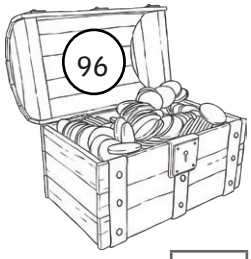
72 ÷ 8 = 9



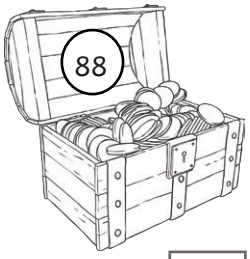
16 ÷ 8 = 2



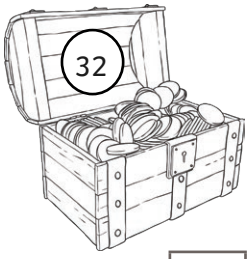
48 ÷ 8 = 6



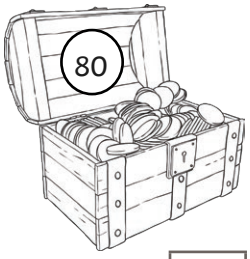
96 ÷ 8 = 12



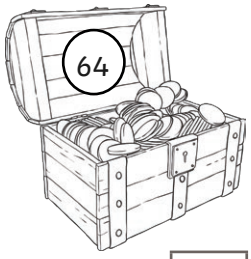
88 ÷ 8 = 11



32 ÷ 8 = 4

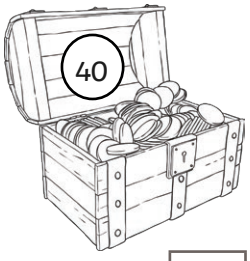


80 ÷ 8 = 10

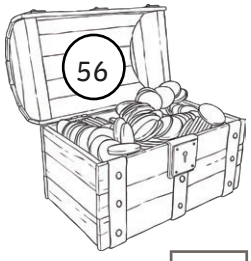


64 ÷ 8 = 8

24 ÷ 8 = 3



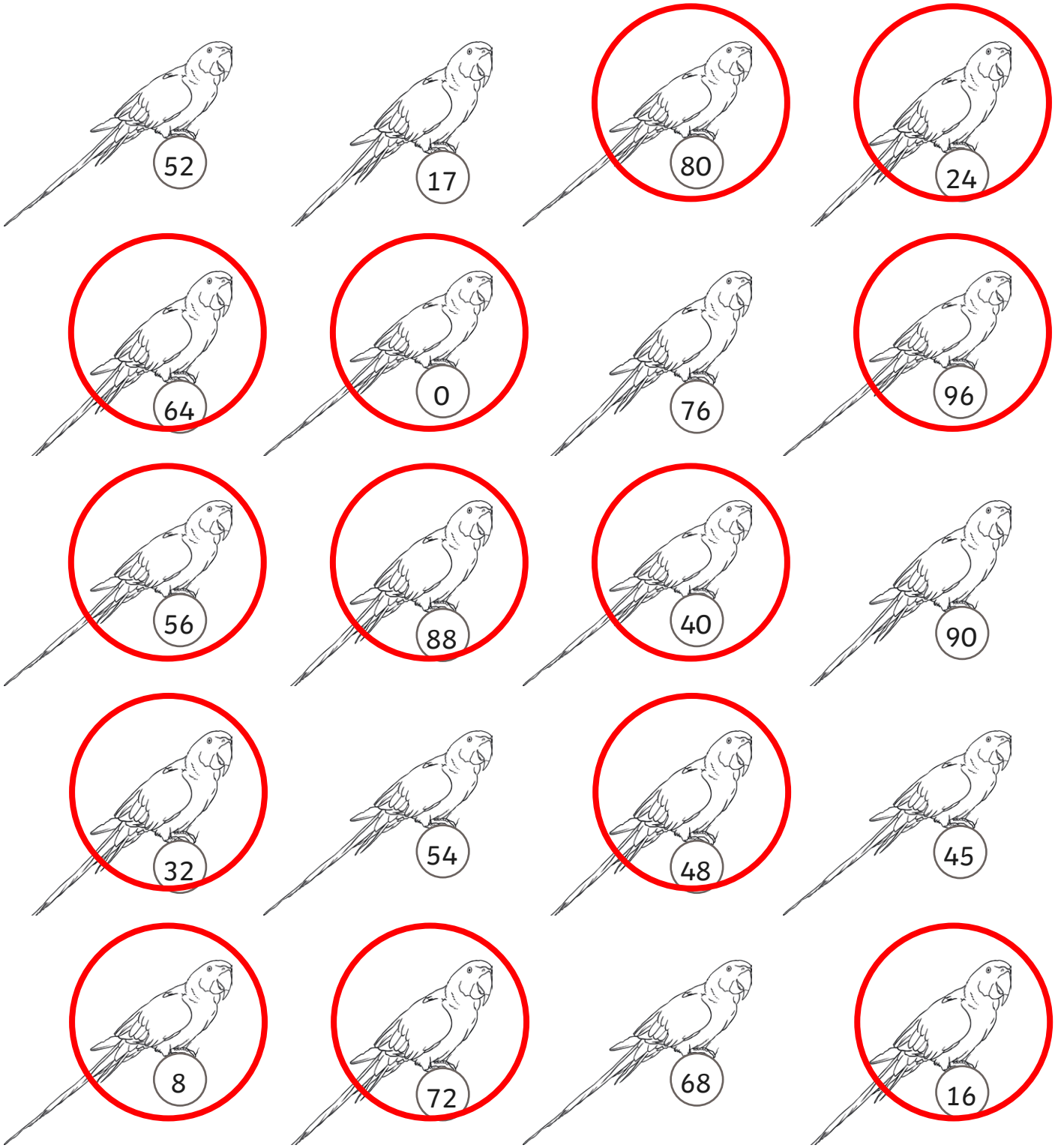
40 ÷ 8 = 5



56 ÷ 8 = 7

Ahoy Me Hearties **Answers**

1. Circle the parrots that show multiples of 8.



Ahoy Me Hearties **Answers**

Fill in the missing numbers to show that you know your pirate number facts.

a. 8 × 8 = 64

b. 72 ÷ 8 = 9

c. 8 × 2 = 16

d. Eight times one equals 8

e. 7 × 8 = 56

f. The product of eight and eleven is 88

g. 32 ÷ 4 = 8

h. 8 × 3 = 24

i. 56 ÷ 7 = 8

j. Twelve groups of eight equal 96 altogether.

k. Ten multiplied by eight equals 80

l. 5 × 8 = 40

m. 48 ÷ 8 = 6

n. 8 × 6 = 48

o. 0 × 8 = 0

p. Five times 8 equals forty

q. Eight squared equals 64

r. Sixteen divided by two equals 8

s. 9 × 8 = 72

t. 24 ÷ 8 = 3

3. Pirates hang out in teams of 8. Last week there were 96 pirates on Treasure Island. How many teams were searching for the treasure?

96 ÷ 8 = 12

4. The pirate crew from the Jolly Parrot Pirate Ship are running out of food. They only have 64 ship's biscuits left until they find land. How many biscuits are there for each of the eight pirates?

64 ÷ 8 = 8

5. If they can survive on one biscuit each per day how many days can they last before they need to find more food?

8 days

6. Choose 3 of the number facts from the table above and write your own pirate problem to go with each fact.

Multiple answers possible

Ahoy Me Hearties **Answers**

Fill in the missing numbers to show that you know your pirate number facts.

a. 8 × 8 = 64

b. 72 ÷ 8 = 9

c. 8 × 2 = 16

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m. 48 ÷ 8 = 6

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o. 0 × 8 = 0

p. Five times 8 equals forty

q. Eight squared equals 64

r. Sixteen divided by two equals 8

s. 9 × 8 = 72

t. 24 ÷ 8 = 3

Investigating Patterns in the Multiples of Eight

Write out your 8× table

Keep going until you get to 12 × 8 = 96

1. Can you see any patterns in the **ones** digits of the multiples of 8?

Explain the pattern you found.

Within each block of five rows, the ones digit follows a very simple pattern: 8, 6, 4, 2, 0 and this repeats over and over and over.

2. Can you see any patterns in the **tens** digits of the multiples of 8?

Explain the pattern you found.

Up to five, eight times something starts with one less than the something. Eight times 1 starts with 0, eight times 2 starts with 1, eight times 3 starts with 2, eight times 4 starts with 3, and eight times 5 starts with 4. For numbers in the range 6 to 10, eight times the number starts with two less than the number. Eight times 6 starts with 4, eight times 7 starts with 5, eight times 8 starts with 6, eight times 9 starts with 7, and eight times 10 starts with 8. The next block of 5 rows has, again, a similar pattern. Eight times 11 starts with 8, eight times 12 starts with 9, eight times 13 starts with 10, eight times 14 starts with 11, and eight times 15 starts with 12.

3. If you continue the 8 times table up to 20 × 8 does the pattern continue?

Yes is does, in blocks of 5.