

Year 6

Y5/6 Spelling Patterns:

Learn these 'able' words off by heart and use them in a sentence:

1. applicable
2. tolerable
3. operable
4. considerable
5. dependable
6. comfortable
7. reasonable
8. perishable
9. breakable
10. fashionable

Reading

Log in to your Welearn account - go to Purple Mash → Serial Mash → Sapphires → 'Serpents of Nebula'

Read each chapter of 'Serpents of Nebula' and complete the tasks next to each chapter.

Grammar: Fronted Adverbials

Adverbials add detail about when, where, how or why things happen. Adverbials can be single words (adverbs) or phrases. You can choose to put an adverbial at the start/ front of a sentence- this is a fronted adverbial and should be followed by a comma.

Copy out the sentences below and underline the adverbials:

- 1) Frantically, he searched the beach beneath the cliffs.
- 2) On the stroke of half time, United scored in front of their excited fans.
- 3) With the help of our keen volunteers, the wildlife garden will soon be open.
- 4) Inside the restaurant, the fire in the grate flickered with a warming glow.

Add an adverbial to the start of each sentence (remember the comma!):

- 1) _____ we heard a cry.
- 2) _____ there lived a wise man.
- 3) _____ the old car rattled down the road.
- 4) _____ there stood a tall, lonely cottage.

Addition:

- 1) $36864 + 67826 =$
- 2) $69697 + 46348 =$
- 3) $7.95 + 8.89 =$
- 4) $15.99 + 3.79 =$
- 5) $3/8 + 5/6 =$
- 6) $4/6 + 2/5 =$

Challenge:

Create your own fraction addition that gets as close to 1 as possible, without making 1. Explain your reasoning.

Subtraction:

- 1) $43203 - 18048 =$
- 2) $9003 - 3599 =$
- 3) $9.09 - 1.97 =$
- 4) $8.99 - 1.8 =$
- 5) $6/7 - 2/8 =$
- 6) $5/8 - \frac{1}{4} =$

Challenge:

Create your own subtraction that has an answer of $1/8$, using two fractions with a different denominator.

Multiplication:

- 1) $289 \times 6 =$
- 2) $4556 \times 28 =$
- 3) $32.88 \times 7 =$
- 4) $6/5 \times 4/7 =$
- 5) Find 27% of 640
- 6) Find 33% of 600

Challenge:

What two fractions could multiply to give an answer of $3/8$?

Division:

- 1) $8828 \div 4 =$
- 2) $95.2 \div 4 =$
- 3) $648 \div 18 =$
- 4) $7824 \div 24 =$
- 5) $5/8 \div 2/7 =$

Challenge:

$$4/7 \div \text{■} = 4/63$$

Year 6 - Answers

Grammar: Fronted Adverbials

Copy out the sentences below and underline the fronted adverbials:

- 1) Frantically, he searched the beach beneath the cliffs.
- 2) On the stroke of half time, United scored in front of their excited fans.
- 3) With the help of our keen volunteers, the wildlife garden will soon be open.
- 4) Inside the restaurant, the fire in the grate flickered with a warming glow.

Add an adverbial to the start of each sentence (remember the comma!). Here are some examples (ANSWERS WILL VARY SO CHECK WITH AN ADULT):

- 1) **At approximately midnight**, we heard a cry.
- 2) **Along Meadow road**, there lived a wise man.
- 3) **Loudly**, the old car rattled down the road.
- 4) **In a faraway land**, there stood a tall, lonely cottage.

Addition:

- 1) $36864 + 67826 = 104690$
- 2) $69697 + 46348 = 116045$
- 3) $7.95 + 8.89 = 16.84$
- 4) $15.99 + 3.79 = 19.78$
- 5) $3/8 + 5/6 = 1 \frac{5}{24}$
- 6) $4/6 + 2/5 = 1 \frac{2}{30}$

Challenge:

Create your own fraction addition that gets as close to 1 as possible, without making 1. Explain your reasoning.

Answers will vary

You could think of adding 2 halves, then find an equivalent fraction which has been has as many parts as possible, close to a half. E.g. $49/100 + 49/100 = 98/100$. But you could get closer still!

Subtraction:

- 1) $43203 - 18048 = 25155$
- 2) $9003 - 3599 = 5404$
- 3) $9.09 - 1.97 = 7.12$
- 4) $8.99 - 1.8 = 7.19$
- 5) $6/7 - 2/8 = 34/56$ or $17/28$
- 6) $5/8 - \frac{1}{4} = 3/8$

Challenge:

Create your own subtraction that has an answer of $1/8$, using two fractions with a different denominator.

Answers will vary - example:

$$7/8 - 3/4$$

Multiplication:

- 1) $289 \times 6 = 1734$
- 2) $4556 \times 28 = 127568$
- 3) $32.88 \times 7 = 230.16$
- 4) $6/7 \times 4/7 = 24/49$
- 5) Find 27% of 640 = **172.8**
- 6) Find 33% of 600 = **198**

Challenge:

What two fractions could multiply to give an answer of $3/8$?

Answers will vary - example:

$4/8 \times \frac{3}{4} = 12/32 = 6/16 = 3/8$
 $3/8 = 6/16 = 12/32$ etc. So I need 2 numbers that multiply to give me 3 and 8, or 6 and 16, or 12 and 32 for example.

Division:

- 1) $8828 \div 4 = 2207$
- 2) $95.2 \div 4 = 23.8$
- 3) $648 \div 18 = 36$
- 4) $7824 \div 24 = 326$
- 5) $5/8 \div 2/7 = 2 \frac{3}{16}$

Challenge:

$$4/7 \div \boxed{} = 4/63$$

Answer:

Start by treating it as $\times$
 $4/7 \times \boxed{} = 4/63$

So $4 \times \boxed{} = 4$ Answer 1
And $7 \times \boxed{} = 63$ Answer 9
So $4/7 \times 1/9 = 4/63$
So $4/7 \div 9/1 = 4/63$
So $4/7 \div 9 = 4/63$