

PROVINCIAL ASSESSMENT



2020/21

Sample FSA

Grade 7

Numeracy

Selected-Response Questions

Question 1

Lyle and his grandfather walk on the beach.

There are about sixty-five million, three hundred thousand barnacle larvae in the tidal pools.

Show this number using the number pad below.

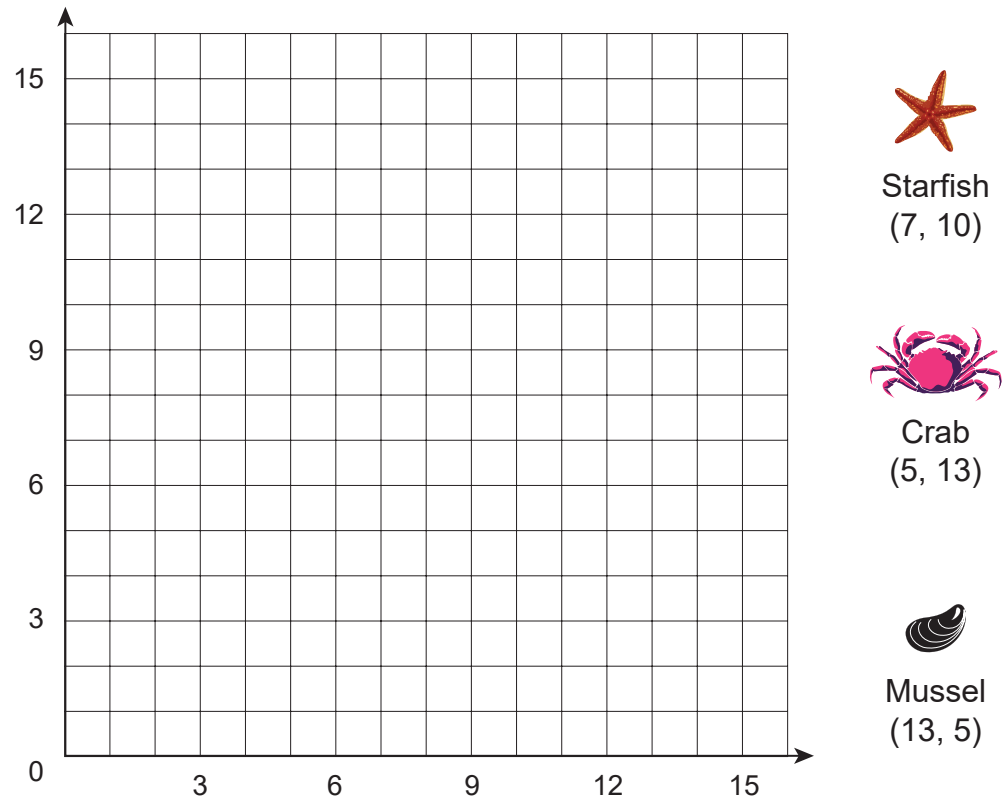


Question 2

At the seashore, Marcus and Deanna made a map to show where they found different sea animals.

Drag the animals to the points on the grid to show where they were found.

Animal		Coordinate points
	Starfish	(7, 10)
	Crab	(5, 13)
	Mussel	(13, 5)



Question 3

Preston helps his grandfather sell clams.

They sold 8 buckets of clams.

Each bucket of clams sells for \$13.00.

Preston receives 40% of the money earned.

How much money will Preston earn?

Round your answer to the nearest dollar.

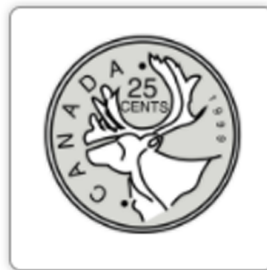
\$



Question 4

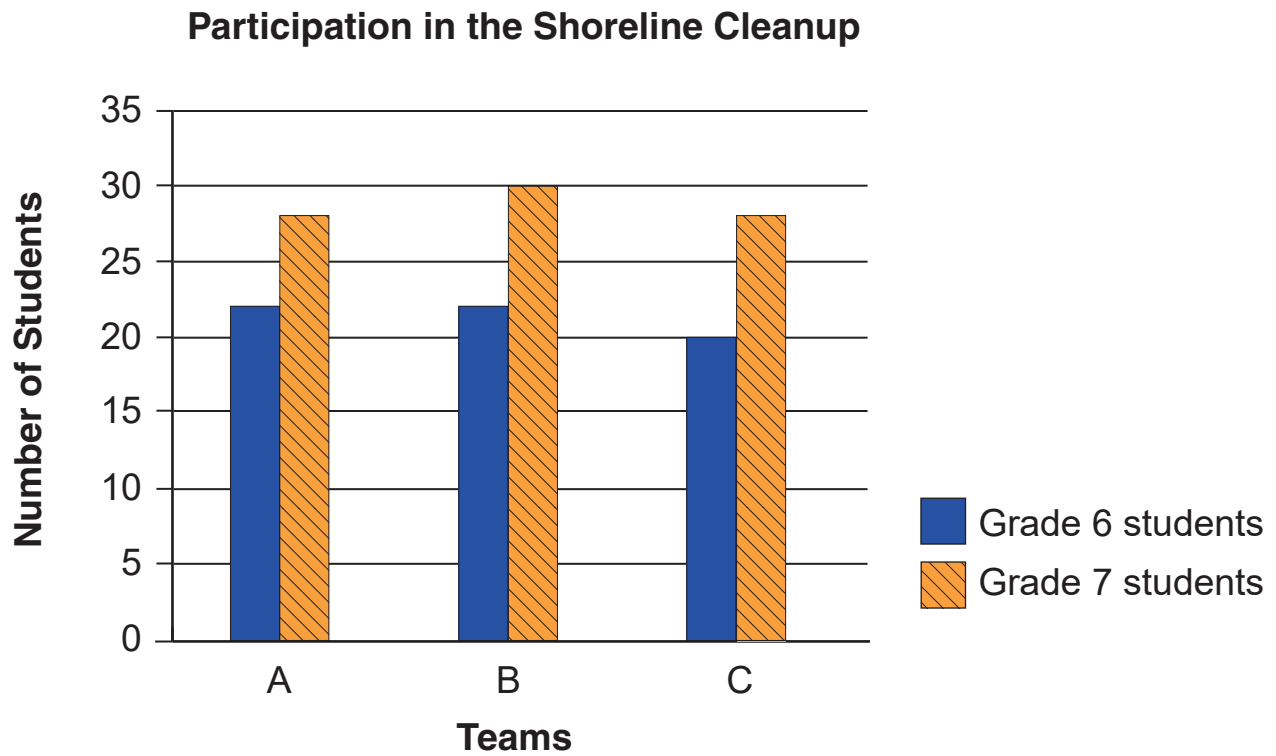
Desirée has \$9.85 in coins.

Drag the fewest number of coins into the space below to show the money that Desirée has.



Question 5

Three teams of students participated in the Shoreline Cleanup.

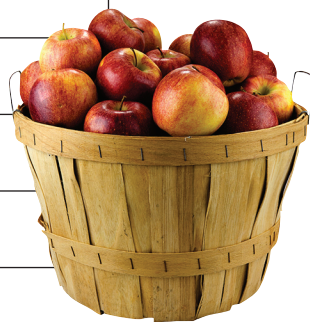


How many more grade 7 students than grade 6 students participated in the cleanup?

Question 6

Tiffany and her sisters pick apples in the Okanagan.

Time	Total number of apples picked
9:00	30
9:30	65
10:00	100
10:30	135
⋮	⋮
?	415



If the pattern continues, at which time will they have 415 apples?

▼

11:00

11:30

12:00

12:30

13:00

13:30

14:00

14:30

15:00

15:30

16:00

16:30

Question 7

While walking on the beach, Raj found mussels.

He counted a total of 320 mussels.

One clump of mussels was about 15% of all the mussels.

About how many mussels were in that one clump?

30

40

50

60



Question 8

Shawna sells oysters.

Each bucket of oysters sells for \$13.25.

Shawna receives 40% of the money earned.

She wants to buy a fishing rod and a reel.



Rod & Reel Sale

Rod: \$71.00 (tax included) **Reel \$35.00** (tax included)

How many buckets of oysters does Shawna have to sell to earn enough money for the rod and reel?

Shawna would need to sell

buckets.

Question 9

Cam has a bucket of trade beads of different colours.

Trade bead		Number of beads in Cam's bucket
 blue		34
 green		13
 red		22
 yellow		24
 black		17

Without looking, his sister Pam puts her hand in the bucket and pulls out a bead.

What is the probability, as a percent, that Pam will pull out a red bead?

%

Question 10

Trade beads are sometimes found on the beach after a storm.

Trade Bead Values

Type	Value
 1 red bead	2 blue beads 
 1 blue bead	3 yellow beads 
 1 green bead	2 yellow beads 

Lucy found 2 red beads and 4 green beads.

She wants to trade them all for yellow beads.

How many yellow beads will she get?

Question 11

This year, 287 students participated in the Fitness Challenge.

Paul reported that 20% of the students were in Grade 7.

About how many Grade 7 students participated?



80

70

60

20

Question 12

Rebecca's class sells seeds to raise money for a class trip.

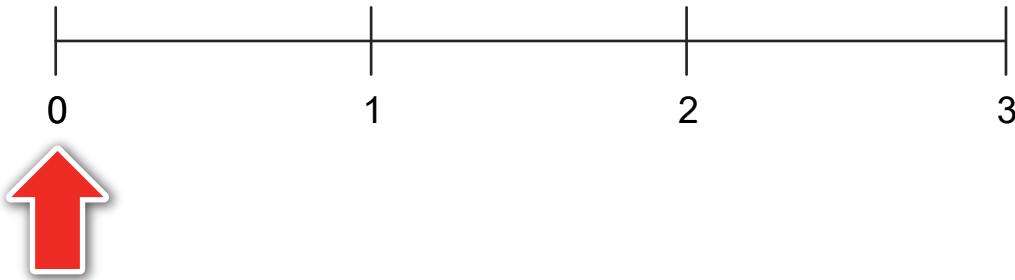
Seed Packets	Amount Raised
3	\$24
5	\$40
7	\$56

How much money does Rebecca's class raise for each packet of seeds sold?

They raised \$ for each packet.

Question 13

Drag the arrow to represent $\frac{4}{2}$ on the number line.



Question 14

Mr. Stoke' class created their own Trail Mix recipe.

Trail Mix Recipe



- 4 scoops of raisins
- 2 scoops dried blueberries
- 6 scoops almonds
- ? scoops sunflower seeds

The ratio of scoops of sunflower seeds to the total number of scoops in the recipe is 1:7.

How many scoops of sunflower seeds are needed?

Question 15

The students made sandwiches for lunch.

Types of Sandwiches

Type	Number
Turkey	12
Cheese	20
Ham	10
Egg	18



What fraction of the sandwiches are turkey sandwiches?

$$\frac{1}{6}$$

$$\frac{1}{5}$$

$$\frac{1}{4}$$

$$\frac{2}{5}$$

Question 16

In art class, Jill created the following geometric pattern.

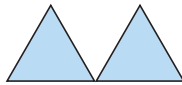


Figure 1

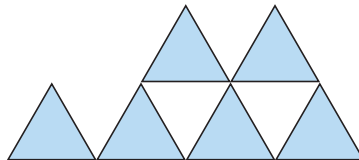


Figure 2

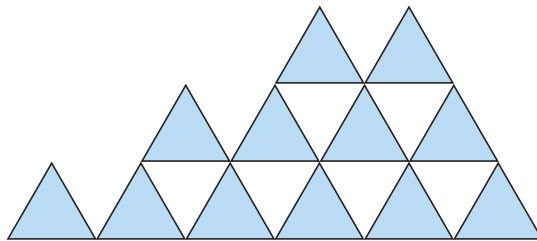


Figure 3

How many blue triangles will Figure 4 have?

Figure 4 will have blue triangles.

Question 17

Group rates for the musical are offered based on the number of tickets sold.

Number of Tickets	Total Cost
1	\$9
5	\$40
10	\$70

George and his 5 friends, Jonas and his 3 friends, and Kristy and her 4 friends purchase their tickets as three groups.

How much would the friends save if they purchased their tickets all together?

\$

Question 18

Mr. Parmar paid \$17.00 in environmental fees on the items he purchased.

Environmental Fees

Item	Fee
DVD Player	\$3.50
Car Stereo	\$2.75
Clock Radio	\$3.50
Telephone	?
Television Set	\$6.00
Camera	\$0.40
Total	\$17.00



What fee was paid for purchasing a telephone?

\$0.40

\$0.85

\$1.00

\$3.50

Question 19

At the weather station, Anita and Arvid recorded accumulated rainfall levels.

Time	1 p.m.	2 p.m.	3 p.m.	4 p.m.	5 p.m.	6 p.m.
Accumulated Rainfall (mm)	3	4	6	9	13	?

Using the information above, the estimated rainfall

at 6 p.m. is mm.



Question 20

The trees in the garden are tied to a stake with a string. Ben cuts pieces of string that get longer with each cut.



Cut	1st	2nd	3rd	4	5th	6th
Length of string (cm)				95	98	101

Using this pattern, the length of the first piece of string is

cm.

Question 21

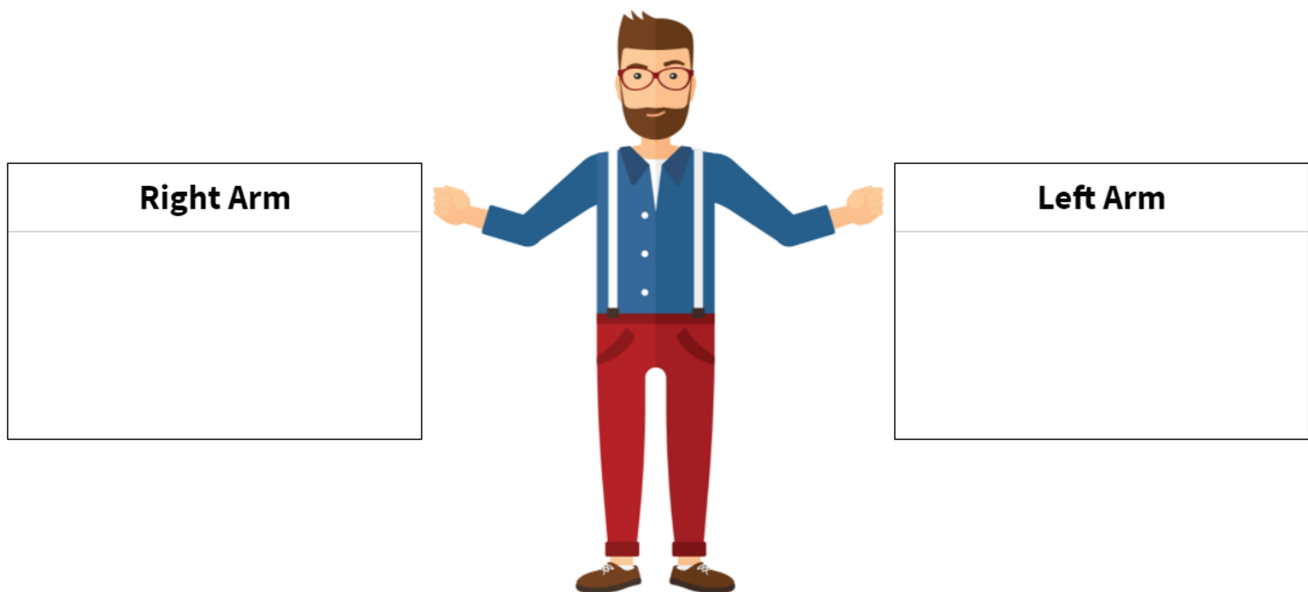
Keisha's Dad has hanging baskets for the garden.

The baskets have the following masses:



He carries four baskets at a time and balances the mass between his two arms.

Drag the baskets so Dad carries the same mass in each hand.



Question 22

The garden is a rectangle 12 m long by 8 m wide.

The students want to double the area.

Select all the dimensions that will double the area of the existing garden

☐ 12 m by 16 m

☐ 16 m by 24 m

☐ 18 m by 12 m

☐ 24 m by 8 m



Question 23

The students are building a fence around the community garden.

The garden is a rectangular shape, 12 m by 9 m.

Fence posts must be 3 m apart.

There must be a fence post at each corner.

How many fence posts are needed to fence the garden?



Question 24

Jasmine plants seedlings.

She has 64 seedlings.

Each row has an equal number of seedlings.

How many different ways can she plant them?

There are possible arrangements.



Question 25

Students sold fruit to raise money to purchase fruit trees.

Darla and Bryce bought some fruit.

Darla			
Bryce			

- They each spent 70¢.
- A banana cost 30¢.

What was the cost of an apple?

20¢

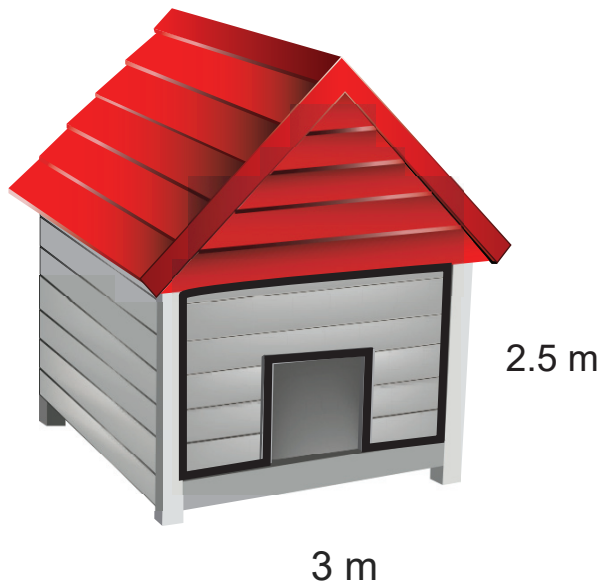
25¢

35¢

40¢

Question 26

The front wall of the playhouse needs to be painted.



The opening measures 1 m wide by 1.5 m high.

The area of the wall that needs to be painted is m².

Question 27

Mary and Gayle planted the flower seeds in a pattern.

Flower Seeds Planted

Row	Number of Seeds
1	1
2	4
3	9
4	16
⋮	⋮
12	?



How many seeds were planted in the 12th row?

42

81

100

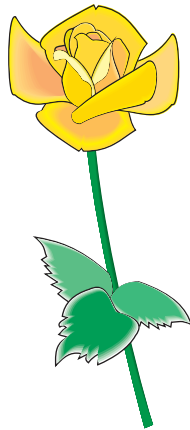
144

Question 28

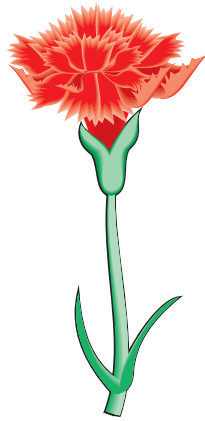
Jasmine is making flower bouquets.

She has only three flowers: a rose, a carnation and a daisy.

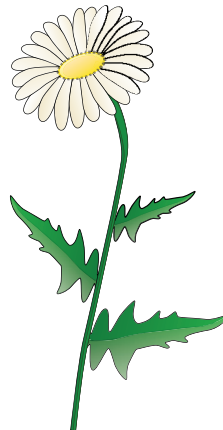
If each bouquet has only two flowers, how many different types of bouquets can she possibly make?



Rose



Carnation



Daisy

She can possibly make

different types of bouquets.

Question 29

Mr. Greene puts a fence around his rectangular garden.



The length of the garden is 3 times the width.

Mr. Greene uses 240 m of fencing.

What are the possible dimensions of his garden?

The garden dimensions are m $\times$ m.

Question 30

Four students volunteered to water the garden.

The student with the correct answer to the question would water the garden.

$$20 + 24 \div (4 \times 2) - 7 =$$



Who watered the garden?

Raymond, who answered 15

Jasjeet, who answered 25

Dominique, who answered 45

Angus, who answered 16