

LEAP CONNECT

Practice Test Reference Materials

Mathematics
Grade 3

Reference Materials include required graphics that are to be presented to the student during administration of the LEAP Connect mathematics practice test. Refer to the *Directions for Practice Test Administration* (DPTA) for detailed instructions.

Session 1

Up to 90 counters (Items 2, 5, 6, 7, 8, 9)

Items 1 – 2 Answer Options

Pattern 1 showing packs of pencils (Item 3)

Item 3 Answer Options

Picture Graph 1, "Objects in a Kid's Pocket" (Item 4)

Items 4 – 7 Answer Options

Picture 1 showing rulers (Item 8)

Item 8 Answer Options

Chart 1, "Hundreds Chart" (Item 9)

Item 9 Answer Options

Rectangle 1 showing four inches long and three inches wide (Item 10)

Item 10 Answer Options

Number Line 1 showing a point at 12 (Item 11)

Items 11 – 12 Answer Options

Fraction Circle 1 showing one out of two parts shaded (Item 13)

Item 13 Answer Options

Rectangle 2 showing four inches long and one inch wide (Item 14)

Items 14 – 16 Answer Options

Data Table 1, "Pens" (Item 17)

Item 17 Answer Options

Number Line 2 beginning at 20 and ending at 30 (Item 18)

Item 18 Answer Options

Fraction Bar 1 showing one out of three parts shaded (Item 19)

Item 19 Answer Options

Printed student response Picture Graph 2, "Animals Cari Saw" and cut-out tiles (Item 20)

Session 2

Up to 20 counters (Items 23, 24, 25)

Items 21 – 26 Answer Options

Rectangle 3 showing an 8 by 1 rectangle (Item 27)

Items 27 – 28 Answer Options

Rectangle 4 showing a 4 by 2 rectangle (Item 29)

Items 29 – 30 Answer Options

Number Line 3 showing jumps by 10s (Item 31)

Item 31 Answer Options

Data Table 2, “T-Shirts” (Item 32)

Items 32 – 33 Answer Options

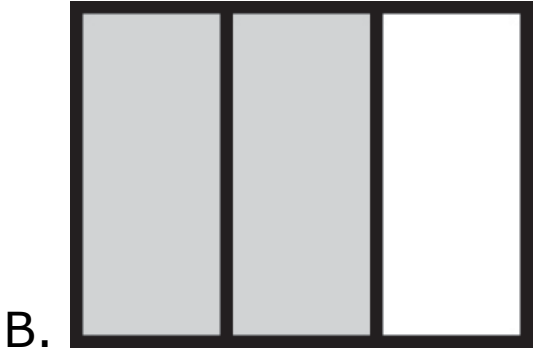
Number Line 4 beginning at 20 and ending at 30 (Item 34)

Item 34 Answer Options

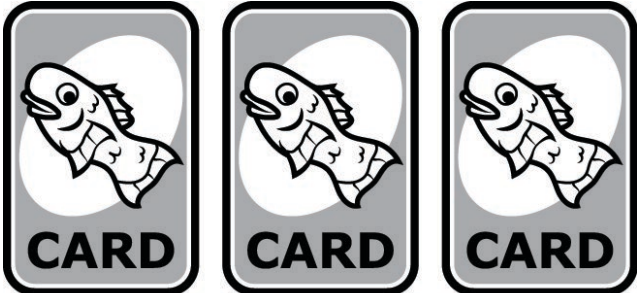
Printed student response Picture Graph 3, “Objects in Meng’s Classroom” and cut-out tiles (Item 35)

Session 1

Session 1 - Item 1 Answer Options



Session 1 - Item 2 Answer Options



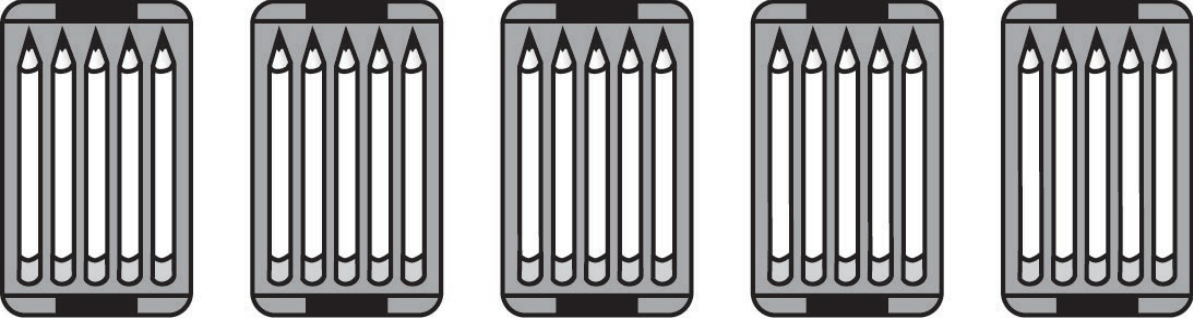
A.



B.



Pattern 1 showing packs of pencils (Item 3)



5

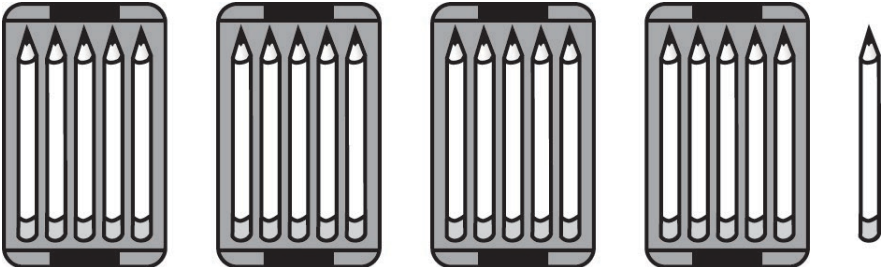
10

15

20

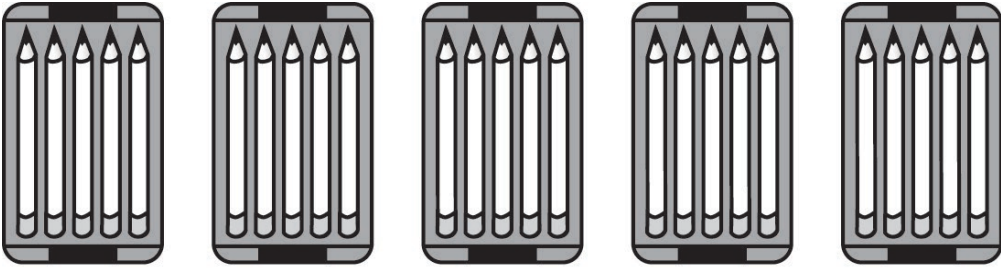
?

Session 1 - Item 3 Answer Options



A.

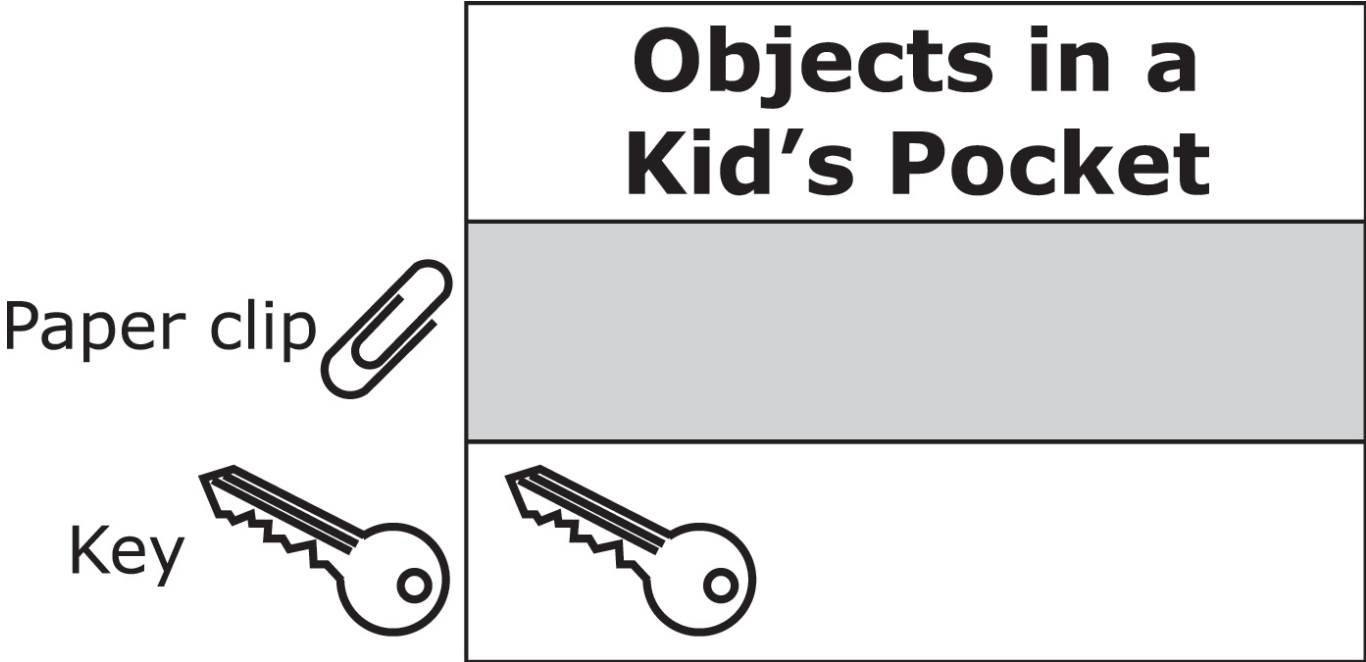
21



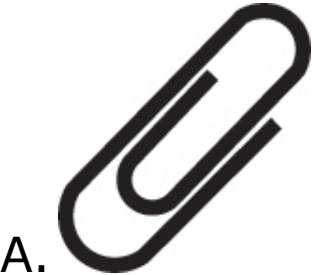
B.

25

Picture Graph 1, "Objects in a Kid's Pocket" (Item 4)



Session 1 - Item 4 Answer Options




Session 1 - Item 5 Answer Options


A. 1


B. 5

C. 6

Session 1 - Item 6 Answer Options

A.  $9 + 3 = 11$

B.  $9 + 3 = 12$

C.  $9 + 3 = 15$

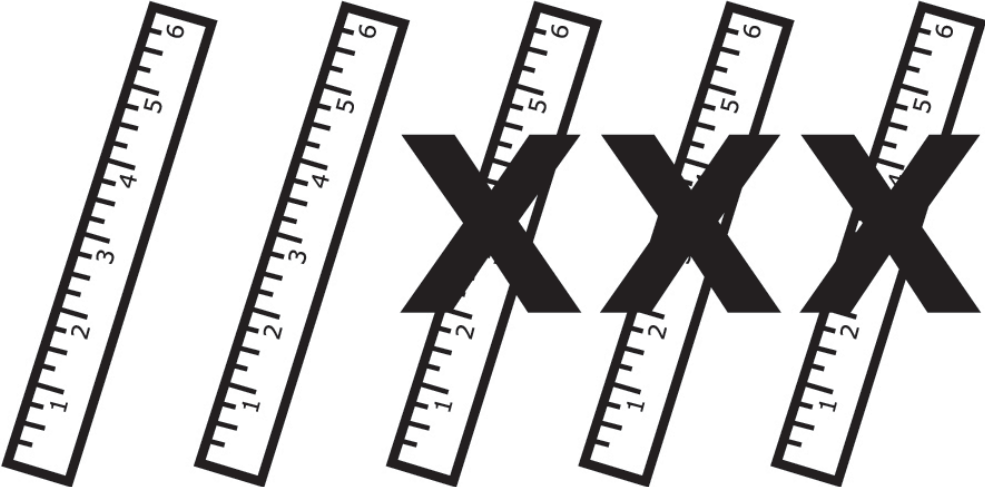
Session 1 - Item 7 Answer Options

A. 3

B. 7

C. 10

Picture 1 showing rulers (Item 8)



Session 1 – Item 8 Answer Options

A. 2 rulers

B. 4 rulers

C. 8 rulers

Chart 1, “Hundreds Chart” (Item 9)

Hundreds Chart

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100

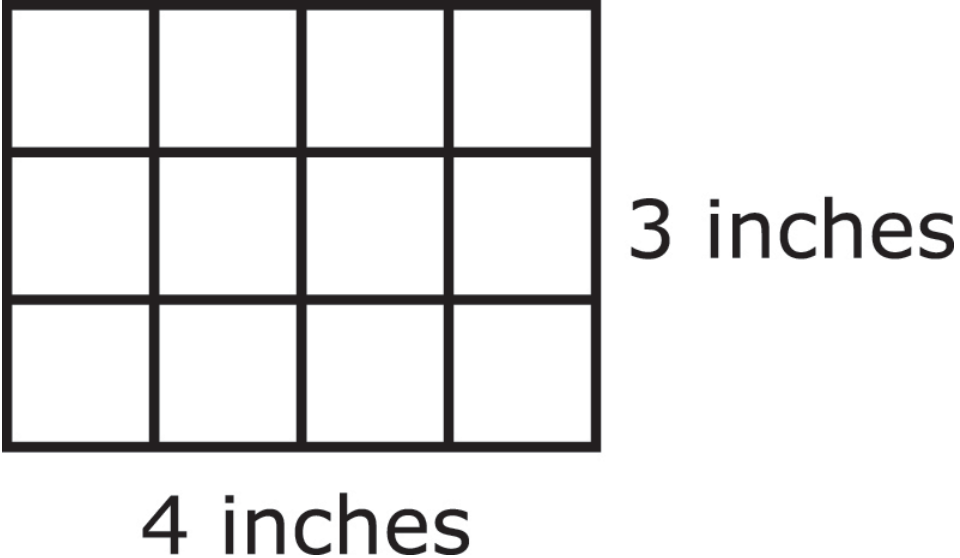
Session 1 - Item 9 Answer Options

A. 50

B. 60

C. 120

Rectangle 1 showing four inches long and three inches wide (Item 10)



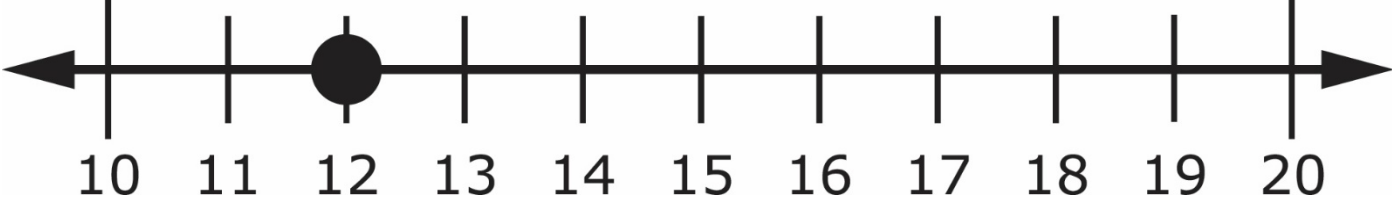
Session 1 - Item 10 Answer Options

A. 7 square inches

B. 9 square inches

C. 12 square inches

Number Line 1 showing a point at 12 (Item 11)



Session 1 - Item 11 Answer Options

A. 10

B. 15

C. 20

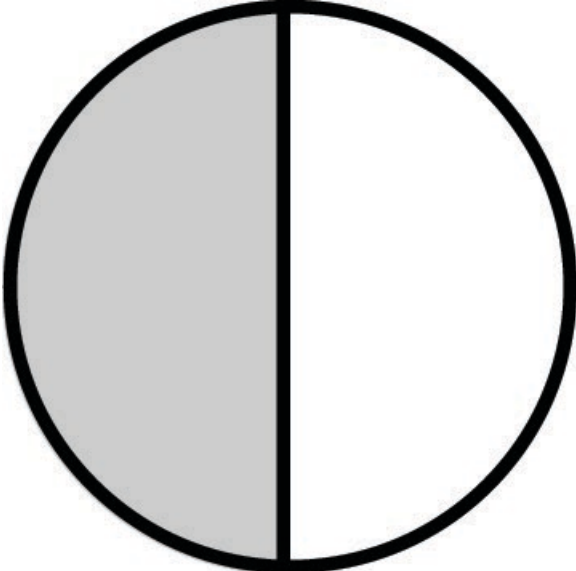
Session 1 - Item 12 Answer Options

A.

B.

C.

Fraction Circle 1 showing one out of two parts shaded (Item 13)



Session 1 - Item 13 Answer Options

A. $\frac{1}{6}$

B. $\frac{1}{3}$

C. $\frac{1}{2}$

Rectangle 2 showing four inches long and one inch wide (Item 14)



Session 1 - Item 14 Answer Options

A. 3 square inches

B. 4 square inches

C. 5 square inches

Session 1 - Item 15 Answer Options

A. $\frac{1}{4} = \frac{3}{4}$

B. $\frac{1}{4} < \frac{3}{4}$

C. $\frac{1}{4} > \frac{3}{4}$

Session 1 - Item 16 Answer Options

A.

--	--	--	--	--	--

B.

--	--	--	--	--	--

C.

--	--	--	--	--	--

Data Table 1, "Pens" (Item 17)

Pens

Number of Packages	Total Number of Pens
1	4
2	8
3	12
4	16
5	20
6	?

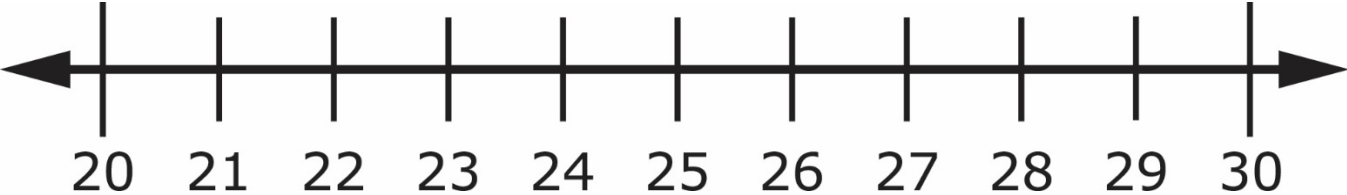
Session 1 - Item 17 Answer Options

A. 20 pens

B. 24 pens

C. 30 pens

Number Line 2 beginning at 20 and ending at 30 (Item 18)



Session 1 - Item 18 Answer Options

A. 20

B. 25

C. 30

Fraction Bar 1 showing one out of three parts shaded (Item 19)



Session 1 - Item 19 Answer Options

A. $\frac{1}{3}$

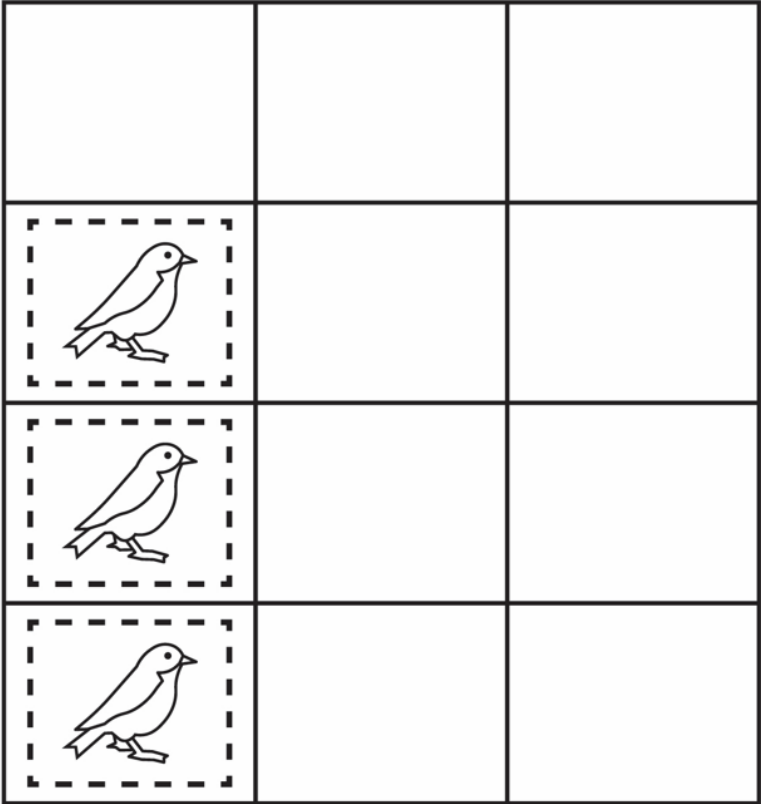
B. $\frac{1}{5}$

C. $\frac{1}{8}$

Picture Graph 2, “Animals Cari Saw” (Item 20)

Picture graph and tiles will need to be reproduced and cut out for student use.

Animals Cari Saw



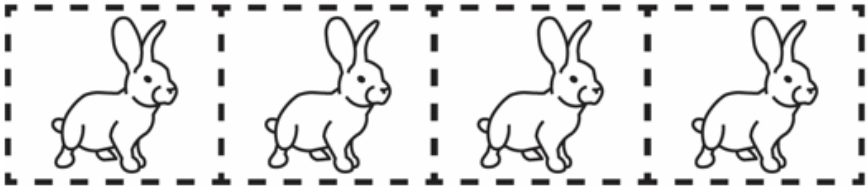
Bird

Rabbit

Squirrel



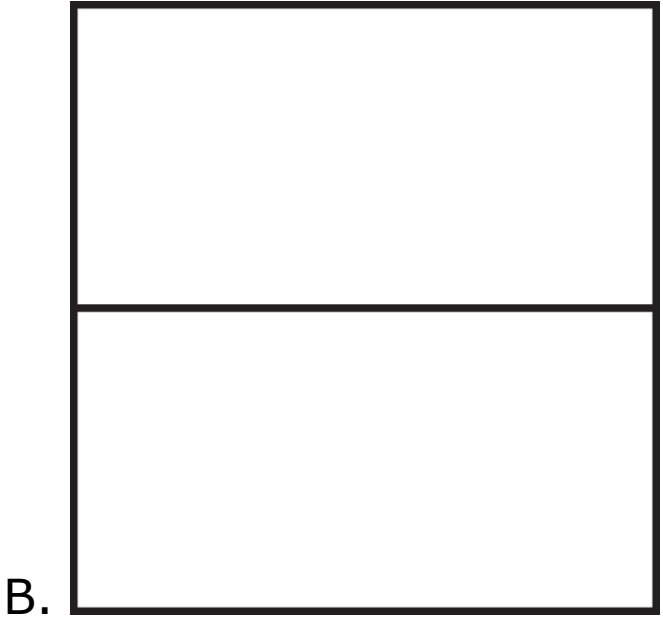
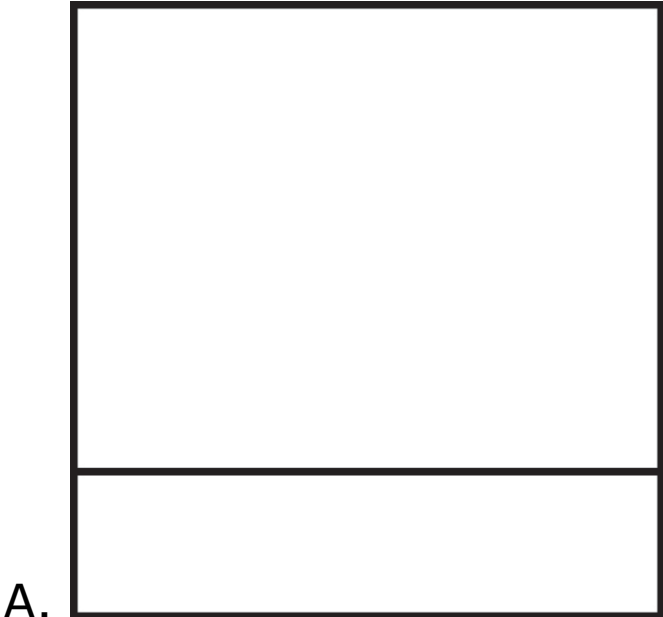
Animal





Session 2

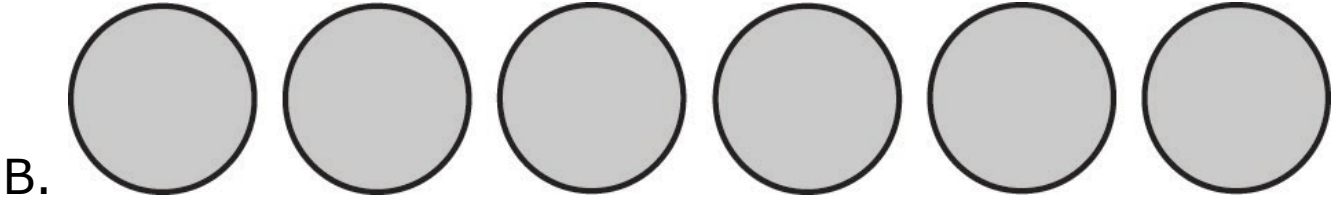
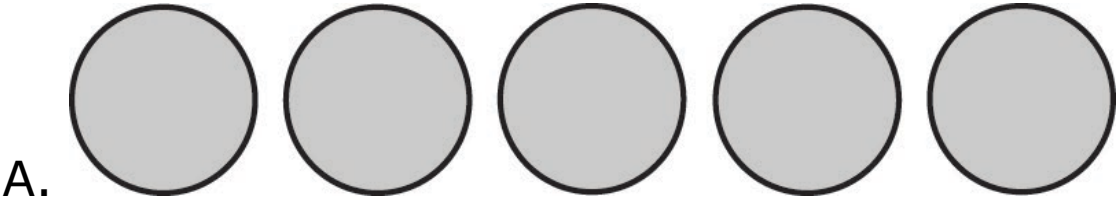
Session 2 - Item 21 Answer Options



Session 2 - Item 22 Answer Options



Session 2 - Item 23 Answer Options



Session 2 - Item 24 Answer Options

A. 5

B. 6

C. 9

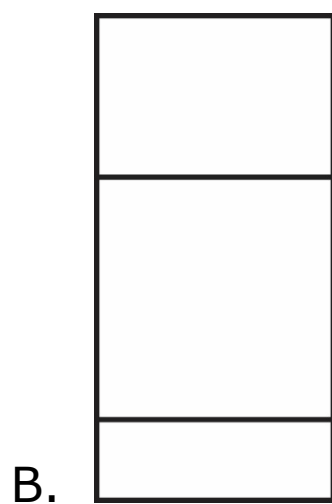
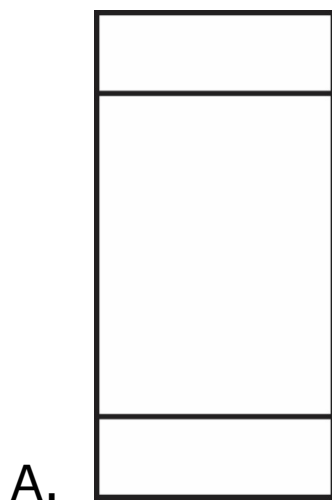
Session 2 - Item 25 Answer Options

A. $12 - 4 = 8$

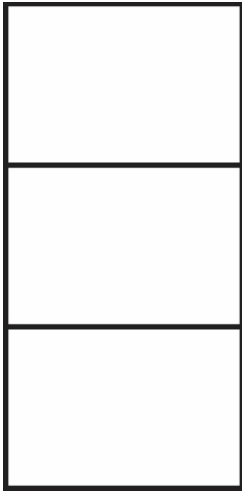
B. $12 + 4 = 16$

C. $16 + 4 = 20$

Session 2 – Item 26 Answer Options



C.



Rectangle 3 showing an 8 x 1 rectangle (Item 27)



1 inch

8 inches

Session 2 - Item 27 Answer Options

A. 8 square inches

B. 9 square inches

C. 10 square inches

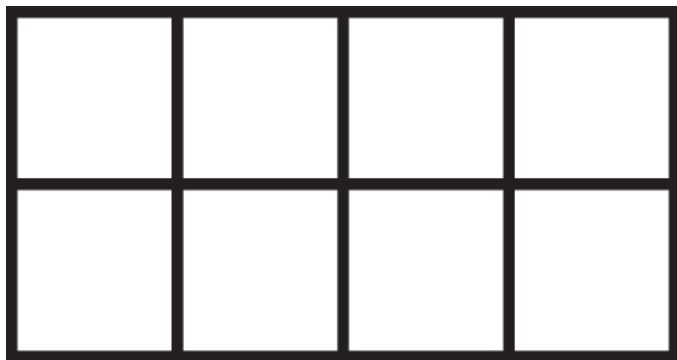
Session 2 - Item 28 Answer Options

A. $\frac{3}{3} = \frac{1}{3}$

B. $\frac{3}{3} < \frac{1}{3}$

C. $\frac{3}{3} > \frac{1}{3}$

Rectangle 4 showing a 4 x 2 rectangle (Item 29)



2 inches

4 inches

Session 2 - Item 29 Answer Options

A. 6 square inches

B. 8 square inches

C. 12 square inches

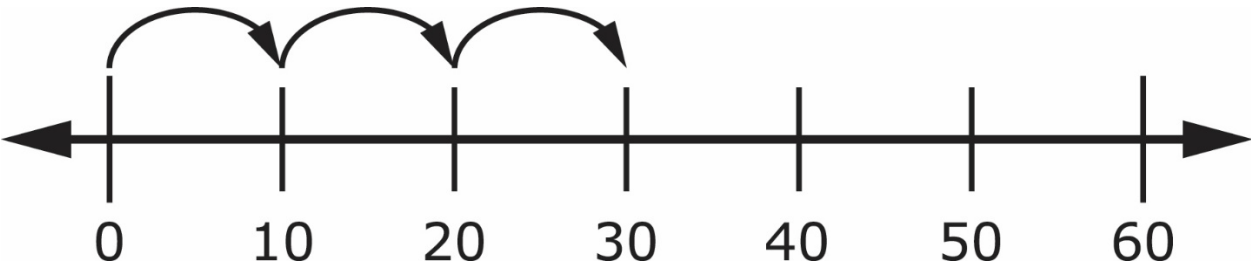
Session 2 - Item 30 Answer Options

A. $\frac{1}{3}$

B. $\frac{1}{4}$

C. $\frac{1}{8}$

Number Line 3 showing jumps by 10s (Item 31)



Session 2 - Item 31 Answer Options

A. 40

B. 50

C. 60

Data Table 2, "T-Shirts" (Item 32)

T-Shirts

Number of Bags	Total Number of T-Shirts
1	5
2	10
3	15
4	20
5	25
6	?

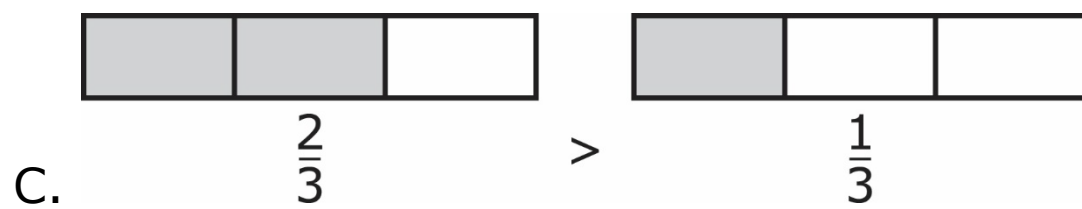
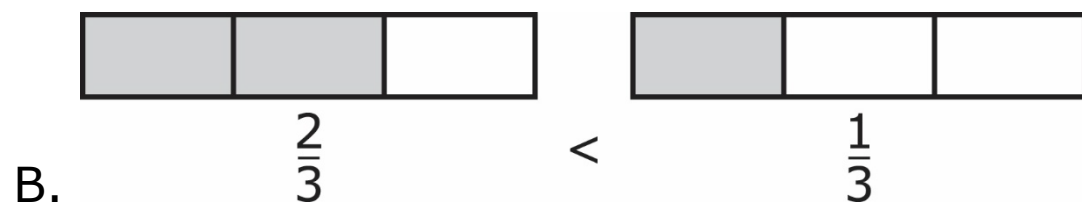
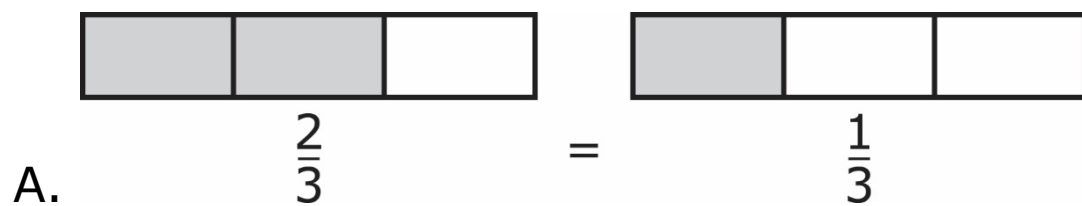
Session 2 - Item 32 Answer Options

A. 30

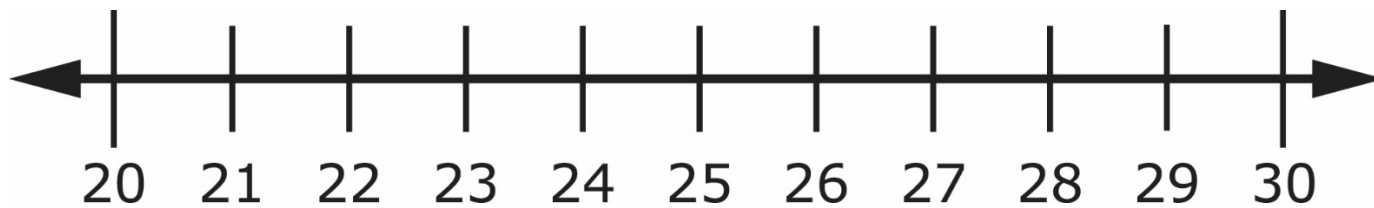
B. 31

C. 35

Session 2 - Item 33 Answer Options



Number Line 4 beginning at 20 and ending at 30 (Item 34)



Session 2 - Item 34 Answer Options

A. 20



B. 25

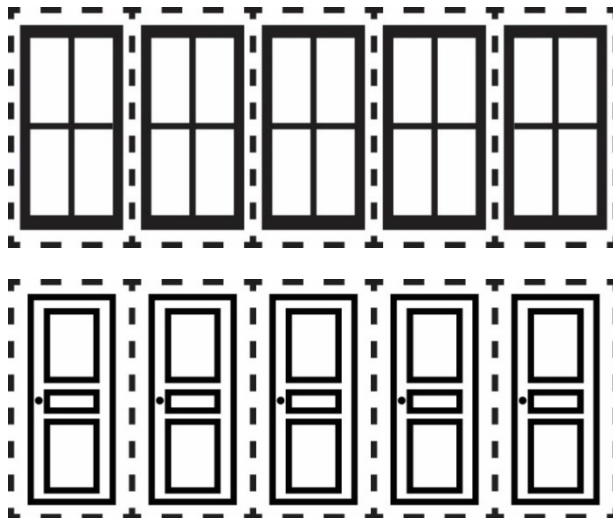
C. 30

Picture Graph 3, “Objects in Meng’s Classroom” (Item 35)

Picture graph and tiles will need to be reproduced and cut out for student use

Objects in Meng's Classroom

Closet Door 	
Window 	



LEAP CONNECT

Practice Test